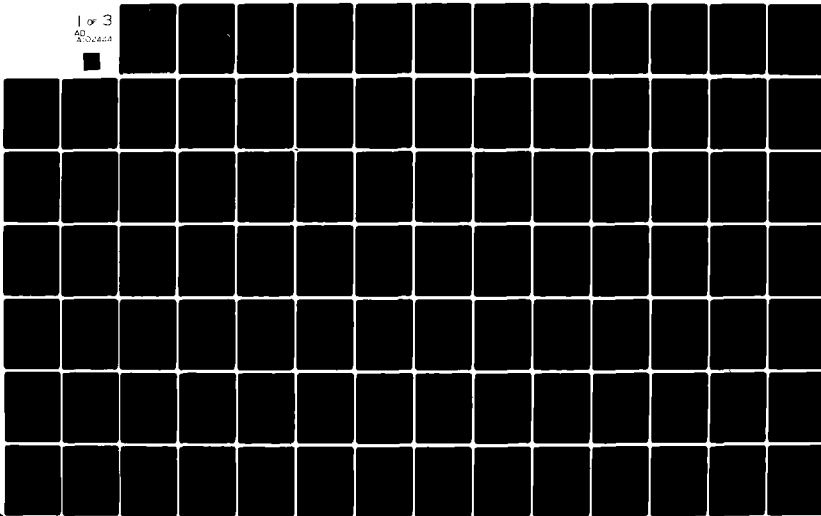


AD-A102 444

GOULD INC GLEN BURNIE MD CHESAPEAKE INSTRUMENT DIV F/G 12/1
TABLE OF THE MODIFIED BESSEL FUNCTIONS OF ORDERS ZERO AND ONE T--ETC(U)
JUN 81 O LINDEMANN N00014-78-C-0572
78243-630-004 NL

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1 of 3
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GOULD

GOULD INC., CHESAPEAKE INSTRUMENT DIVISION
6711 BAYMEADOW DRIVE, GLEN BURNE, MO 21061

CONTRACT NO. N00014-78-C-0572

PROJECT NO. 78243.05

REPORT NO. 78243-630-004

DATE OF ISSUE June 5, 1981

AD A102444

TABLE OF THE
MODIFIED BESSEL FUNCTIONS

of orders zero and one
together with the function

$$\phi(z) = 2I_1'(z)/zI_0'(z)$$

and its reciprocal, for
COMPLEX ARGUMENT

DTIC
AUG 4 1981
C

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DISTRIBUTION STATEMENT A

Approved for public release;
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PREPARED BY O. Lindemann REFERENCE

APPROVED BY R. E. Miller NO. OF PAGES 1 OF 228

CODE IDENT NO. 54497



GOULD INC., CHESAPEAKE INSTRUMENT DIVISION
5711 SAYMEADOW DRIVE, GLEN BURNIE, MD 21061

CONTRACT NO. N00014-78-C-0572

PROJECT NO. 78243.05

REPORT NO. 14 78243-630-004

DATE OF ISSUE June 5, 1981

TABLE OF THE
MODIFIED BESSEL FUNCTIONS

of orders zero and one
together with the function

$$\phi(z) = 2I_1'(z)/zI_0'(z)$$

and its reciprocal, for
COMPLEX ARGUMENT,

DTIC
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APPROVED BY R. E. Miller NO. OF PAGES 1 OF 228

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THESE TABLES ARE INTENDED AS AN AID IN THE CALCULATION OF AXISYMMETRIC WAVE MOTION IN CYLINDRICAL STRUCTURES USING ELASTIC, VISCOELASTIC AND VISCOUS MATERIALS. THEY HAVE BEEN CALCULATED BY STRAIGHTFORWARD SUMMING OF THE POWER AND ASYMPTOTIC SERIES. THE PROGRAMS CAN BE USED TO PRINT MORE EXTENSIVE TABLES, SHOULD THE DEMAND EXIST.

THIS WORK WAS SUPPORTED BY THE OFFICE OF NAVAL RESEARCH, CODE 222, UNDER CONTRACT NUMBER N00014-78-C-0572.

PROGRAMMING WAS CARRIED OUT BY ROBERT SPIEGELTHAL.

NOVEMBER, 1980

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PAGE 1

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.00	0.0000E-01	0.00
0.1	1.0025E+00		5.0063E-02	
0.2	1.0100E+00		1.0050E-01	
0.3	1.0226E+00		1.5169E-01	
0.4	1.0404E+00		2.0403E-01	
0.5	1.0635E+00		2.5789E-01	
0.6	1.0920E+00		3.1370E-01	
0.7	1.1263E+00		3.7188E-01	
0.8	1.1665E+00		4.3286E-01	
0.9	1.2130E+00		4.9713E-01	
1.0	1.2661E+00	0.00	5.6516E-01	0.00
1.1	1.3262E+00		6.3749E-01	
1.2	1.3937E+00		7.1468E-01	
1.3	1.4693E+00		7.9733E-01	
1.4	1.5534E+00		8.8609E-01	
1.5	1.6467E+00		9.8167E-01	
1.6	1.7500E+00		1.0848E+00	
1.7	1.8640E+00		1.1963E+00	
1.8	1.9896E+00		1.3172E+00	
1.9	2.1277E+00		1.4482E+00	
2.0	2.2796E+00	0.00	1.5906E+00	0.00
2.1	2.4463E+00		1.7455E+00	
2.2	2.6291E+00		1.9141E+00	
2.3	2.8296E+00		2.0978E+00	
2.4	3.0493E+00		2.2981E+00	
2.5	3.2898E+00		2.5167E+00	
2.6	3.5533E+00		2.7554E+00	
2.7	3.8417E+00		3.0161E+00	
2.8	4.1573E+00		3.3011E+00	
2.9	4.5027E+00		3.6126E+00	
3.0	4.8808E+00	0.00	3.9534E+00	0.00
3.1	5.2945E+00		4.3262E+00	
3.2	5.7472E+00		4.7343E+00	
3.3	6.2426E+00		5.1810E+00	
3.4	6.7848E+00		5.6701E+00	
3.5	7.3782E+00		6.2058E+00	
3.6	8.0277E+00		6.7927E+00	
3.7	8.7386E+00		7.4357E+00	
3.8	9.5169E+00		8.1404E+00	
3.9	1.0369E+01		8.9128E+00	
4.0	1.1302E+01	0.00	9.7595E+00	0.00
4.1	1.2324E+01		1.0688E+01	
4.2	1.3442E+01		1.1706E+01	
4.3	1.4668E+01		1.2822E+01	
4.4	1.6010E+01		1.4046E+01	
4.5	1.7481E+01		1.5389E+01	
4.6	1.9093E+01		1.6863E+01	
4.7	2.0858E+01		1.8479E+01	
4.8	2.2794E+01		2.0253E+01	
4.9	2.4915E+01		2.2199E+01	
5.0	2.7240E+01	0.00	2.4336E+01	0.00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	2.7240E+01	0.00	2.4336E+01	0.00
5.1	2.9789E+01		2.6680E+01	
5.2	3.2584E+01		2.9254E+01	
5.3	3.5648E+01		3.2080E+01	
5.4	3.9009E+01		3.5182E+01	
5.5	4.2695E+01		3.8588E+01	
5.6	4.6738E+01		4.2328E+01	
5.7	5.1173E+01		4.6435E+01	
5.8	5.6038E+01		5.0946E+01	
5.9	6.1377E+01		5.5900E+01	
6.0	6.7234E+01	0.00	6.1342E+01	0.00
6.1	7.3663E+01		6.7319E+01	
6.2	8.0718E+01		7.3886E+01	
6.3	8.8462E+01		8.1100E+01	
6.4	9.6962E+01		8.9026E+01	
6.5	1.0629E+02		9.7735E+01	
6.6	1.1654E+02		1.0730E+02	
6.7	1.2779E+02		1.1782E+02	
6.8	1.4014E+02		1.2938E+02	
6.9	1.5370E+02		1.4208E+02	
7.0	1.6859E+02	0.00	1.5604E+02	0.00
7.1	1.8495E+02		1.7138E+02	
7.2	2.0292E+02		1.8825E+02	
7.3	2.2266E+02		2.0679E+02	
7.4	2.4434E+02		2.2718E+02	
7.5	2.6816E+02		2.4958E+02	
7.6	2.9433E+02		2.7422E+02	
7.7	3.2309E+02		3.0131E+02	
7.8	3.5468E+02		3.3110E+02	
7.9	3.8941E+02		3.6385E+02	
8.0	4.2756E+02	0.00	3.9987E+02	0.00
8.1	4.6950E+02		4.3948E+02	
8.2	5.1559E+02		4.8305E+02	
8.3	5.6626E+02		5.3096E+02	
8.4	6.2194E+02		5.8366E+02	
8.5	6.8316E+02		6.4162E+02	
8.6	7.5046E+02		7.0538E+02	
8.7	8.2445E+02		7.7551E+02	
8.8	9.0580E+02		8.5266E+02	
8.9	9.9524E+02		9.3754E+02	
9.0	1.0936E+03	0.00	1.0309E+03	0.00
9.1	1.2017E+03		1.1336E+03	
9.2	1.3207E+03		1.2467E+03	
9.3	1.4514E+03		1.3710E+03	
9.4	1.5953E+03		1.5079E+03	
9.5	1.7535E+03		1.6585E+03	
9.6	1.9275E+03		1.8241E+03	
9.7	2.1189E+03		2.0065E+03	
9.8	2.3294E+03		2.2071E+03	
9.9	2.5610E+03		2.4280E+03	
10.0	2.8157E+03	0.00	2.6710E+03	0.00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	2.8157E+03	0.00	2.6710E+03	0.00
10.1	3.0960E+03		2.9385E+03	
10.2	3.4043E+03		3.2329E+03	
10.3	3.7435E+03		3.5569E+03	
10.4	4.1168E+03		3.9135E+03	
10.5	4.5274E+03		4.3061E+03	
10.6	4.9793E+03		4.7383E+03	
10.7	5.4765E+03		5.2140E+03	
10.8	6.0237E+03		5.7377E+03	
10.9	6.6258E+03		6.3142E+03	
11.0	7.2885E+03	0.00	6.9489E+03	0.00
11.1	8.0178E+03		7.6476E+03	
11.2	8.8204E+03		8.4169E+03	
11.3	9.7037E+03		9.2639E+03	
11.4	1.0676E+04		1.0196E+04	
11.5	1.1746E+04		1.1223E+04	
11.6	1.2924E+04		1.2354E+04	
11.7	1.4221E+04		1.3599E+04	
11.8	1.5648E+04		1.4970E+04	
11.9	1.7219E+04		1.6479E+04	
12.0	1.8949E+04	0.00	1.8141E+04	0.00
12.1	2.0853E+04		1.9972E+04	
12.2	2.2949E+04		2.1988E+04	
12.3	2.5257E+04		2.4208E+04	
12.4	2.7799E+04		2.6653E+04	
12.5	3.0596E+04		2.9346E+04	
12.6	3.3677E+04		3.2312E+04	
12.7	3.7069E+04		3.5578E+04	
12.8	4.0803E+04		3.9176E+04	
12.9	4.4916E+04		4.3138E+04	
13.0	4.9444E+04	0.00	4.7503E+04	0.00
13.1	5.4431E+04		5.2311E+04	
13.2	5.9923E+04		5.7606E+04	
13.3	6.5971E+04		6.3440E+04	
13.4	7.2631E+04		6.9866E+04	
13.5	7.9965E+04		7.6944E+04	
13.6	8.8043E+04		8.4742E+04	
13.7	9.6940E+04		9.3332E+04	
13.8	1.0674E+05		1.0280E+05	
13.9	1.1753E+05		1.1322E+05	
14.0	1.2942E+05	0.00	1.2471E+05	0.00
14.1	1.4251E+05		1.3736E+05	
14.2	1.5693E+05		1.5130E+05	
14.3	1.7282E+05		1.6666E+05	
14.4	1.9032E+05		1.8359E+05	
14.5	2.0959E+05		2.0223E+05	
14.6	2.3083E+05		2.2278E+05	
14.7	2.5422E+05		2.4541E+05	
14.8	2.7999E+05		2.7036E+05	
14.9	3.0838E+05		2.9784E+05	
15.0	3.3965E+05	0.00	3.2812E+05	0.00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	3.3965E+05	0.00	3.2812E+05	0.00
15.1	3.7410E+05		3.6150E+05	
15.2	4.1206E+05		3.9827E+05	
15.3	4.5388E+05		4.3879E+05	
15.4	4.9996E+05		4.8344E+05	
15.5	5.5072E+05		5.3265E+05	
15.6	6.0665E+05		5.8688E+05	
15.7	6.6828E+05		6.4664E+05	
15.8	7.3619E+05		7.1249E+05	
15.9	8.1100E+05		7.8507E+05	
16.0	8.9345E+05	0.00	8.6506E+05	0.00
16.1	9.8429E+05		9.5321E+05	
16.2	1.0844E+06		1.0504E+06	
16.3	1.1947E+06		1.1574E+06	
16.4	1.3162E+06		1.2755E+06	
16.5	1.4502E+06		1.4055E+06	
16.6	1.5978E+06		1.5489E+06	
16.7	1.7605E+06		1.7069E+06	
16.8	1.9397E+06		1.8811E+06	
16.9	2.1373E+06		2.0730E+06	
17.0	2.3550E+06	0.00	2.2846E+06	0.00
17.1	2.5949E+06		2.5179E+06	
17.2	2.8593E+06		2.7749E+06	
17.3	3.1508E+06		3.0583E+06	
17.4	3.4720E+06		3.3707E+06	
17.5	3.8260E+06		3.7150E+06	
17.6	4.2161E+06		4.0946E+06	
17.7	4.6462E+06		4.5130E+06	
17.8	5.1201E+06		4.9742E+06	
17.9	5.6426E+06		5.4826E+06	
18.0	6.2184E+06	0.00	6.0431E+06	0.00
18.1	6.8531E+06		6.6610E+06	
18.2	7.5527E+06		7.3422E+06	
18.3	8.3239E+06		8.0932E+06	
18.4	9.1739E+06		8.9210E+06	
18.5	1.0111E+07		9.8337E+06	
18.6	1.1144E+07		1.0840E+07	
18.7	1.2282E+07		1.1949E+07	
18.8	1.3537E+07		1.3172E+07	
18.9	1.4921E+07		1.4521E+07	
19.0	1.6446E+07	0.00	1.6007E+07	0.00
19.1	1.8128E+07		1.7646E+07	
19.2	1.9981E+07		1.9454E+07	
19.3	2.2024E+07		2.1446E+07	
19.4	2.4277E+07		2.3643E+07	
19.5	2.6761E+07		2.6065E+07	
19.6	2.9498E+07		2.8736E+07	
19.7	3.2517E+07		3.1680E+07	
19.8	3.5845E+07		3.4927E+07	
19.9	3.9513E+07		3.8507E+07	
20.0	4.3558E+07	0.00	4.2455E+07	0.00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	1.0025E+00	4.3466E-04	4.9870E-02	4.3740E-03
0.2	1.0099E+00	1.7450E-03	1.0010E-01	8.8453E-03
0.3	1.0223E+00	3.9505E-03	1.5106E-01	1.3513E-02
0.4	1.0398E+00	7.0836E-03	2.0313E-01	1.8478E-02
0.5	1.0625E+00	1.1190E-02	2.5667E-01	2.3846E-02
0.6	1.0906E+00	1.6331E-02	3.1208E-01	2.9727E-02
0.7	1.1242E+00	2.2581E-02	3.6978E-01	3.6240E-02
0.8	1.1637E+00	3.0030E-02	4.3017E-01	4.3512E-02
0.9	1.2093E+00	3.8787E-02	4.9371E-01	5.1677E-02
1.0	1.2613E+00	4.8978E-02	5.6087E-01	6.0886E-02
1.1	1.3201E+00	6.0747E-02	6.3215E-01	7.1300E-02
1.2	1.3861E+00	7.4262E-02	7.0807E-01	8.3098E-02
1.3	1.4599E+00	8.9713E-02	7.8921E-01	9.6477E-02
1.4	1.5419E+00	1.0732E-01	8.7616E-01	1.1165E-01
1.5	1.6327E+00	1.2732E-01	9.6960E-01	1.2887E-01
1.6	1.7330E+00	1.4999E-01	1.0702E+00	1.4839E-01
1.7	1.8436E+00	1.7565E-01	1.1788E+00	1.7052E-01
1.8	1.9652E+00	2.0464E-01	1.2961E+00	1.9558E-01
1.9	2.0987E+00	2.3734E-01	1.4230E+00	2.2394E-01
2.0	2.2452E+00	2.7421E-01	1.5606E+00	2.5602E-01
2.1	2.4056E+00	3.1573E-01	1.7099E+00	2.9227E-01
2.2	2.5812E+00	3.6244E-01	1.8720E+00	3.3320E-01
2.3	2.7732E+00	4.1496E-01	2.0481E+00	3.7939E-01
2.4	2.9831E+00	4.7397E-01	2.2396E+00	4.3145E-01
2.5	3.2124E+00	5.4023E-01	2.4481E+00	4.9011E-01
2.6	3.4629E+00	6.1459E-01	2.6750E+00	5.5615E-01
2.7	3.7363E+00	6.9800E-01	2.9221E+00	6.3045E-01
2.8	4.0348E+00	7.9151E-01	3.1914E+00	7.1399E-01
2.9	4.3605E+00	8.9630E-01	3.4850E+00	8.0787E-01
3.0	4.7159E+00	1.0137E+00	3.8050E+00	9.1329E-01
3.1	5.1036E+00	1.1451E+00	4.1541E+00	1.0316E+00
3.2	5.5266E+00	1.2922E+00	4.5349E+00	1.1644E+00
3.3	5.9880E+00	1.4568E+00	4.9503E+00	1.3132E+00
3.4	6.4912E+00	1.6408E+00	5.4036E+00	1.4801E+00
3.5	7.0401E+00	1.8466E+00	5.8984E+00	1.6670E+00
3.6	7.6388E+00	2.0767E+00	6.4384E+00	1.8763E+00
3.7	8.2917E+00	2.3337E+00	7.0279E+00	2.1106E+00
3.8	9.0039E+00	2.6208E+00	7.6715E+00	2.3727E+00
3.9	9.7807E+00	2.9413E+00	8.3741E+00	2.6659E+00
4.0	1.0628E+01	3.2992E+00	9.1413E+00	2.9938E+00
4.1	1.1552E+01	3.6986E+00	9.9791E+00	3.3602E+00
4.2	1.2560E+01	4.1443E+00	1.0894E+01	3.7697E+00
4.3	1.3660E+01	4.6414E+00	1.1893E+01	4.2271E+00
4.4	1.4859E+01	5.1958E+00	1.2984E+01	4.7378E+00
4.5	1.6167E+01	5.8140E+00	1.4176E+01	5.3081E+00
4.6	1.7594E+01	6.5030E+00	1.5477E+01	5.9445E+00
4.7	1.9151E+01	7.2709E+00	1.6898E+01	6.6546E+00
4.8	2.0849E+01	8.1265E+00	1.8451E+01	7.4467E+00
4.9	2.2702E+01	9.0797E+00	2.0146E+01	8.3301E+00
5.0	2.4723E+01	1.0141E+01	2.1998E+01	9.3150E+00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	2.4723E+01	1.0141E+01	2.1998E+01	9.3150E+00
5.1	2.6927E+01	1.1323E+01	2.4020E+01	1.0413E+01
5.2	2.9333E+01	1.2639E+01	2.6229E+01	1.1637E+01
5.3	3.1957E+01	1.4104E+01	2.8641E+01	1.3000E+01
5.4	3.4819E+01	1.5734E+01	3.1276E+01	1.4519E+01
5.5	3.7943E+01	1.7548E+01	3.4153E+01	1.6210E+01
5.6	4.1350E+01	1.9567E+01	3.7295E+01	1.8094E+01
5.7	4.5067E+01	2.1811E+01	4.0727E+01	2.0191E+01
5.8	4.9122E+01	2.4308E+01	4.4474E+01	2.2525E+01
5.9	5.3546E+01	2.7084E+01	4.8567E+01	2.5123E+01
6.0	5.8372E+01	3.0171E+01	5.3035E+01	2.8013E+01
6.1	6.3637E+01	3.3602E+01	5.7915E+01	3.1229E+01
6.2	6.9381E+01	3.7416E+01	6.3243E+01	3.4806E+01
6.3	7.5646E+01	4.1654E+01	6.9060E+01	3.8784E+01
6.4	8.2480E+01	4.6363E+01	7.5412E+01	4.3208E+01
6.5	8.9936E+01	5.1595E+01	8.2346E+01	4.8126E+01
6.6	9.8068E+01	5.7407E+01	8.9916E+01	5.3594E+01
6.7	1.0694E+02	6.3863E+01	9.8179E+01	5.9670E+01
6.8	1.1661E+02	7.1032E+01	1.0720E+02	6.6424E+01
6.9	1.2716E+02	7.8993E+01	1.1705E+02	7.3928E+01
7.0	1.3867E+02	8.7832E+01	1.2779E+02	8.2265E+01
7.1	1.5122E+02	9.7644E+01	1.3952E+02	9.1526E+01
7.2	1.6491E+02	1.0854E+02	1.5232E+02	1.0181E+02
7.3	1.7983E+02	1.2063E+02	1.6629E+02	1.1324E+02
7.4	1.9610E+02	1.3404E+02	1.8153E+02	1.2592E+02
7.5	2.1384E+02	1.4893E+02	1.9816E+02	1.4001E+02
7.6	2.3319E+02	1.6545E+02	2.1630E+02	1.5564E+02
7.7	2.5427E+02	1.8377E+02	2.3609E+02	1.7300E+02
7.8	2.7726E+02	2.0410E+02	2.5767E+02	1.9226E+02
7.9	3.0232E+02	2.2664E+02	2.8122E+02	2.1364E+02
8.0	3.2963E+02	2.5165E+02	3.0690E+02	2.3736E+02
8.1	3.5940E+02	2.7938E+02	3.3490E+02	2.6368E+02
8.2	3.9184E+02	3.1012E+02	3.6544E+02	2.9287E+02
8.3	4.2719E+02	3.4421E+02	3.9873E+02	3.2526E+02
8.4	4.6570E+02	3.8201E+02	4.3503E+02	3.6118E+02
8.5	5.0766E+02	4.2390E+02	4.7459E+02	4.0102E+02
8.6	5.5337E+02	4.7033E+02	5.1772E+02	4.4520E+02
8.7	6.0317E+02	5.2179E+02	5.6472E+02	4.9419E+02
8.8	6.5740E+02	5.7883E+02	6.1593E+02	5.4850E+02
8.9	7.1646E+02	6.4202E+02	6.7174E+02	6.0871E+02
9.0	7.8077E+02	7.1204E+02	7.3253E+02	6.7545E+02
9.1	8.5079E+02	7.8962E+02	7.9876E+02	7.4942E+02
9.2	9.2702E+02	8.7556E+02	8.7089E+02	8.3140E+02
9.3	1.0100E+03	9.7076E+02	9.4944E+02	9.2225E+02
9.4	1.1003E+03	1.0762E+03	1.0350E+03	1.0229E+03
9.5	1.1986E+03	1.1930E+03	1.1281E+03	1.1345E+03
9.6	1.3055E+03	1.3223E+03	1.2295E+03	1.2580E+03
9.7	1.4219E+03	1.4655E+03	1.3398E+03	1.3949E+03
9.8	1.5484E+03	1.6241E+03	1.4599E+03	1.5465E+03
9.9	1.6861E+03	1.7997E+03	1.5905E+03	1.7145E+03
10.0	1.8358E+03	1.9941E+03	1.7326E+03	1.9005E+03

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	1.8358E+03	1.9941E+03	1.7326E+03	1.9005E+03
10.1	1.9985E+03	2.2092E+03	1.8872E+03	2.1064E+03
10.2	2.1754E+03	2.4474E+03	2.0553E+03	2.3345E+03
10.3	2.3677E+03	2.7110E+03	2.2381E+03	2.5870E+03
10.4	2.5767E+03	3.0028E+03	2.4367E+03	2.8666E+03
10.5	2.8038E+03	3.3257E+03	2.6527E+03	3.1761E+03
10.6	3.0504E+03	3.6830E+03	2.8874E+03	3.5187E+03
10.7	3.3183E+03	4.0784E+03	3.1423E+03	3.8979E+03
10.8	3.6091E+03	4.5158E+03	3.4193E+03	4.3176E+03
10.9	3.9249E+03	4.9998E+03	3.7200E+03	4.7821E+03
11.0	4.2677E+03	5.5351E+03	4.0465E+03	5.2961E+03
11.1	4.6396E+03	6.1274E+03	4.4010E+03	5.8648E+03
11.2	5.0431E+03	6.7825E+03	4.7856E+03	6.4941E+03
11.3	5.4808E+03	7.5070E+03	5.2029E+03	7.1904E+03
11.4	5.9553E+03	8.3083E+03	5.6556E+03	7.9606E+03
11.5	6.4698E+03	9.1945E+03	6.1464E+03	8.8126E+03
11.6	7.0274E+03	1.0174E+04	6.6785E+03	9.7550E+03
11.7	7.6316E+03	1.1258E+04	7.2552E+03	1.0797E+04
11.8	8.2860E+03	1.2456E+04	7.8800E+03	1.1950E+04
11.9	8.9946E+03	1.3780E+04	8.5567E+03	1.3225E+04
12.0	9.7618E+03	1.5245E+04	9.2894E+03	1.4635E+04
12.1	1.0592E+04	1.6863E+04	1.0083E+04	1.6194E+04
12.2	1.1490E+04	1.8652E+04	1.0941E+04	1.7917E+04
12.3	1.2461E+04	2.0630E+04	1.1869E+04	1.9822E+04
12.4	1.3511E+04	2.2816E+04	1.2873E+04	2.1929E+04
12.5	1.4646E+04	2.5231E+04	1.3958E+04	2.4257E+04
12.6	1.5871E+04	2.7900E+04	1.5130E+04	2.6831E+04
12.7	1.7195E+04	3.0850E+04	1.6396E+04	2.9676E+04
12.8	1.8623E+04	3.4109E+04	1.7762E+04	3.2820E+04
12.9	2.0164E+04	3.7710E+04	1.9237E+04	3.6295E+04
13.0	2.1826E+04	4.1688E+04	2.0827E+04	4.0134E+04
13.1	2.3617E+04	4.6083E+04	2.2541E+04	4.4377E+04
13.2	2.5547E+04	5.0938E+04	2.4388E+04	4.9064E+04
13.3	2.7624E+04	5.6300E+04	2.6377E+04	5.4244E+04
13.4	2.9860E+04	6.2223E+04	2.8517E+04	5.9965E+04
13.5	3.2264E+04	6.8765E+04	3.0819E+04	6.6286E+04
13.6	3.4849E+04	7.5990E+04	3.3294E+04	7.3268E+04
13.7	3.7624E+04	8.3968E+04	3.5952E+04	8.0980E+04
13.8	4.0604E+04	9.2778E+04	3.8805E+04	8.9498E+04
13.9	4.3800E+04	1.0251E+05	4.1866E+04	9.8905E+04
14.0	4.7226E+04	1.1325E+05	4.5147E+04	1.0929E+05
14.1	5.0895E+04	1.2511E+05	4.8661E+04	1.2077E+05
14.2	5.4821E+04	1.3820E+05	5.2421E+04	1.3343E+05
14.3	5.9018E+04	1.5265E+05	5.6441E+04	1.4742E+05
14.4	6.3501E+04	1.6860E+05	6.0734E+04	1.6286E+05
14.5	6.8285E+04	1.8621E+05	6.5315E+04	1.7991E+05
14.6	7.3383E+04	2.0564E+05	7.0197E+04	1.9873E+05
14.7	7.8811E+04	2.2709E+05	7.5394E+04	2.1950E+05
14.8	8.4583E+04	2.5076E+05	8.0919E+04	2.4243E+05
14.9	9.0712E+04	2.7689E+05	8.6785E+04	2.6774E+05
15.0	9.7211E+04	3.0571E+05	9.3005E+04	2.9567E+05

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	9.7211E+04	3.0571E+05	9.3005E+04	2.9567E+05
15.1	1.0409E+05	3.3751E+05	9.9588E+04	3.2650E+05
15.2	1.1136E+05	3.7260E+05	1.0654E+05	3.6051E+05
15.3	1.1904E+05	4.1132E+05	1.1388E+05	3.9805E+05
15.4	1.2712E+05	4.5402E+05	1.2160E+05	4.3946E+05
15.5	1.3561E+05	5.0114E+05	1.2972E+05	4.8515E+05
15.6	1.4450E+05	5.5311E+05	1.3821E+05	5.3556E+05
15.7	1.5381E+05	6.1042E+05	1.4709E+05	5.9117E+05
15.8	1.6350E+05	6.7365E+05	1.5634E+05	6.5252E+05
15.9	1.7357E+05	7.4337E+05	1.6594E+05	7.2019E+05
16.0	1.8400E+05	8.2026E+05	1.7587E+05	7.9482E+05
16.1	1.9475E+05	9.0505E+05	1.8609E+05	8.7714E+05
16.2	2.0577E+05	9.9854E+05	1.9656E+05	9.6792E+05
16.3	2.1702E+05	1.1016E+06	2.0723E+05	1.0680E+06
16.4	2.2842E+05	1.2153E+06	2.1803E+05	1.1784E+06
16.5	2.3988E+05	1.3406E+06	2.2887E+05	1.3001E+06
16.6	2.5131E+05	1.4787E+06	2.3964E+05	1.4343E+06
16.7	2.6258E+05	1.6310E+06	2.5023E+05	1.5823E+06
16.8	2.7353E+05	1.7988E+06	2.6048E+05	1.7454E+06
16.9	2.8399E+05	1.9839E+06	2.7021E+05	1.9252E+06
17.0	2.9373E+05	2.1877E+06	2.7920E+05	2.1234E+06
17.1	3.0251E+05	2.4125E+06	2.8722E+05	2.3419E+06
17.2	3.1003E+05	2.6601E+06	2.9396E+05	2.5827E+06
17.3	3.1594E+05	2.9330E+06	2.9908E+05	2.8481E+06
17.4	3.1983E+05	3.2336E+06	3.0218E+05	3.1405E+06
17.5	3.2123E+05	3.5649E+06	3.0280E+05	3.4628E+06
17.6	3.1960E+05	3.9299E+06	3.0039E+05	3.8179E+06
17.7	3.1430E+05	4.3320E+06	2.9433E+05	4.2091E+06
17.8	3.0461E+05	4.7750E+06	2.8391E+05	4.6402E+06
17.9	2.8969E+05	5.2629E+06	2.6830E+05	5.1150E+06
18.0	2.6856E+05	5.8004E+06	2.4656E+05	5.6382E+06
18.1	2.4014E+05	6.3923E+06	2.1758E+05	6.2144E+06
18.2	2.0314E+05	7.0442E+06	1.8013E+05	6.8492E+06
18.3	1.5612E+05	7.7622E+06	1.3278E+05	7.5482E+06
18.4	9.7430E+04	8.5528E+06	7.3900E+04	8.3182E+06
18.5	2.5178E+04	9.4233E+06	1.6416E+03	9.1661E+06
18.6	-6.2782E+04	1.0382E+07	-8.6111E+04	1.0100E+07
18.7	-1.6890E+05	1.1437E+07	-1.9176E+05	1.1128E+07
18.8	-2.9594E+05	1.2599E+07	-3.1804E+05	1.2260E+07
18.9	-4.4708E+05	1.3878E+07	-4.6806E+05	1.3506E+07
19.0	-6.2590E+05	1.5286E+07	-6.4532E+05	1.4878E+07
19.1	-8.3644E+05	1.6836E+07	-8.5383E+05	1.6389E+07
19.2	-1.0833E+06	1.8541E+07	-1.0981E+06	1.8051E+07
19.3	-1.3717E+06	2.0418E+07	-1.3832E+06	1.9881E+07
19.4	-1.7075E+06	2.2484E+07	-1.7150E+06	2.1895E+07
19.5	-2.0974E+06	2.4757E+07	-2.1000E+06	2.4112E+07
19.6	-2.5489E+06	2.7259E+07	-2.5455E+06	2.6551E+07
19.7	-3.0704E+06	3.0011E+07	-3.0600E+06	2.9235E+07
19.8	-3.6715E+06	3.3039E+07	-3.6527E+06	3.2188E+07
19.9	-4.3630E+06	3.6370E+07	-4.3342E+06	3.5438E+07
20.0	-5.1571E+06	4.0034E+07	-5.1166E+06	3.9013E+07

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	1.0024E+00	8.5606E-04	4.9295E-02	8.7137E-03
0.2	1.0094E+00	3.4363E-03	9.8914E-02	1.7615E-02
0.3	1.0212E+00	7.7771E-03	1.4919E-01	2.6896E-02
0.4	1.0379E+00	1.3939E-02	2.0044E-01	3.6750E-02
0.5	1.0595E+00	2.2010E-02	2.5302E-01	4.7381E-02
0.6	1.0861E+00	3.2101E-02	3.0726E-01	5.9001E-02
0.7	1.1180E+00	4.4354E-02	3.6353E-01	7.1835E-02
0.8	1.1553E+00	5.8937E-02	4.2219E-01	8.6124E-02
0.9	1.1983E+00	7.6051E-02	4.8362E-01	1.0213E-01
1.0	1.2471E+00	9.5931E-02	5.4822E-01	1.2012E-01
1.1	1.3022E+00	1.1885E-01	6.1642E-01	1.4041E-01
1.2	1.3638E+00	1.4511E-01	6.8865E-01	1.6334E-01
1.3	1.4323E+00	1.7506E-01	7.6537E-01	1.8926E-01
1.4	1.5081E+00	2.0910E-01	8.4709E-01	2.1858E-01
1.5	1.5917E+00	2.4769E-01	9.3431E-01	2.5175E-01
1.6	1.6835E+00	2.9131E-01	1.0276E+00	2.8925E-01
1.7	1.7842E+00	3.4055E-01	1.1275E+00	3.3163E-01
1.8	1.8943E+00	3.9601E-01	1.2348E+00	3.7949E-01
1.9	2.0145E+00	4.5842E-01	1.3499E+00	4.3349E-01
2.0	2.1454E+00	5.2855E-01	1.4738E+00	4.9437E-01
2.1	2.2878E+00	6.0728E-01	1.6070E+00	5.6295E-01
2.2	2.4426E+00	6.9559E-01	1.7505E+00	6.4014E-01
2.3	2.6107E+00	7.9454E-01	1.9051E+00	7.2694E-01
2.4	2.7930E+00	9.0535E-01	2.0718E+00	8.2448E-01
2.5	2.9905E+00	1.0294E+00	2.2515E+00	9.3399E-01
2.6	3.2044E+00	1.1680E+00	2.4453E+00	1.0568E+00
2.7	3.4358E+00	1.3230E+00	2.6543E+00	1.1946E+00
2.8	3.6861E+00	1.4961E+00	2.8799E+00	1.3489E+00
2.9	3.9567E+00	1.6894E+00	3.1232E+00	1.5216E+00
3.0	4.2489E+00	1.9051E+00	3.3856E+00	1.7148E+00
3.1	4.5645E+00	2.1456E+00	3.6687E+00	1.9309E+00
3.2	4.9050E+00	2.4138E+00	3.9740E+00	2.1723E+00
3.3	5.2724E+00	2.7125E+00	4.3032E+00	2.4418E+00
3.4	5.6685E+00	3.0453E+00	4.6580E+00	2.7427E+00
3.5	6.0953E+00	3.4158E+00	5.0405E+00	3.0784E+00
3.6	6.5551E+00	3.8281E+00	5.4526E+00	3.4526E+00
3.7	7.0501E+00	4.2868E+00	5.8965E+00	3.8697E+00
3.8	7.5829E+00	4.7969E+00	6.3744E+00	4.3343E+00
3.9	8.1560E+00	5.3638E+00	6.8888E+00	4.8516E+00
4.0	8.7722E+00	5.9938E+00	7.4421E+00	5.4272E+00
4.1	9.4343E+00	6.6936E+00	8.0372E+00	6.0676E+00
4.2	1.0146E+01	7.4707E+00	8.6768E+00	6.7797E+00
4.3	1.0909E+01	8.3332E+00	9.3639E+00	7.5713E+00
4.4	1.1728E+01	9.2903E+00	1.0102E+01	8.4507E+00
4.5	1.2606E+01	1.0352E+01	1.0893E+01	9.4276E+00
4.6	1.3547E+01	1.1529E+01	1.1742E+01	1.0512E+01
4.7	1.4555E+01	1.2835E+01	1.2652E+01	1.1716E+01
4.8	1.5634E+01	1.4281E+01	1.3626E+01	1.3051E+01
4.9	1.6787E+01	1.5884E+01	1.4669E+01	1.4533E+01
5.0	1.8020E+01	1.7659E+01	1.5783E+01	1.6175E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	1.8020E+01	1.7659E+01	1.5783E+01	1.6175E+01
5.1	1.9336E+01	1.9624E+01	1.6974E+01	1.7995E+01
5.2	2.0739E+01	2.1799E+01	1.8246E+01	2.0013E+01
5.3	2.2236E+01	2.4207E+01	1.9602E+01	2.2247E+01
5.4	2.3829E+01	2.6870E+01	2.1047E+01	2.4721E+01
5.5	2.5524E+01	2.9816E+01	2.2584E+01	2.7460E+01
5.6	2.7325E+01	3.3073E+01	2.4218E+01	3.0491E+01
5.7	2.9237E+01	3.6674E+01	2.5954E+01	3.3845E+01
5.8	3.1263E+01	4.0653E+01	2.7794E+01	3.7554E+01
5.9	3.3408E+01	4.5049E+01	2.9742E+01	4.1655E+01
6.0	3.5676E+01	4.9905E+01	3.1802E+01	4.6189E+01
6.1	3.8069E+01	5.5268E+01	3.3977E+01	5.1200E+01
6.2	4.0590E+01	6.1188E+01	3.6268E+01	5.6735E+01
6.3	4.3242E+01	6.7722E+01	3.8677E+01	6.2849E+01
6.4	4.6026E+01	7.4931E+01	4.1205E+01	6.9601E+01
6.5	4.8941E+01	8.2885E+01	4.3852E+01	7.7054E+01
6.6	5.1986E+01	9.1657E+01	4.6616E+01	8.5279E+01
6.7	5.5159E+01	1.0133E+02	4.9494E+01	9.4355E+01
6.8	5.8456E+01	1.1199E+02	5.2482E+01	1.0437E+02
6.9	6.1869E+01	1.2374E+02	5.5572E+01	1.1541E+02
7.0	6.5390E+01	1.3669E+02	5.8756E+01	1.2758E+02
7.1	6.9006E+01	1.5095E+02	6.2021E+01	1.4099E+02
7.2	7.2703E+01	1.6666E+02	6.5352E+01	1.5578E+02
7.3	7.6461E+01	1.8395E+02	6.8730E+01	1.7206E+02
7.4	8.0256E+01	2.0299E+02	7.2131E+01	1.9000E+02
7.5	8.4059E+01	2.2394E+02	7.5527E+01	2.0975E+02
7.6	8.7834E+01	2.4699E+02	7.8884E+01	2.3150E+02
7.7	9.1540E+01	2.7235E+02	8.2159E+01	2.5543E+02
7.8	9.5127E+01	3.0023E+02	8.5303E+01	2.8176E+02
7.9	9.8535E+01	3.3089E+02	8.8260E+01	3.1072E+02
8.0	1.0169E+02	3.6459E+02	9.0960E+01	3.4258E+02
8.1	1.0452E+02	4.0163E+02	9.3325E+01	3.7760E+02
8.2	1.0693E+02	4.4232E+02	9.5261E+01	4.1610E+02
8.3	1.0880E+02	4.8701E+02	9.6662E+01	4.5840E+02
8.4	1.1000E+02	5.3610E+02	9.7402E+01	5.0488E+02
8.5	1.1039E+02	5.8998E+02	9.7339E+01	5.5593E+02
8.6	1.0980E+02	6.4913E+02	9.6307E+01	6.1199E+02
8.7	1.0804E+02	7.1404E+02	9.4115E+01	6.7353E+02
8.8	1.0487E+02	7.8525E+02	9.0547E+01	7.4108E+02
8.9	1.0004E+02	8.6335E+02	8.5352E+01	8.1519E+02
9.0	9.3266E+01	9.4900E+02	7.8248E+01	8.9649E+02
9.1	8.4202E+01	1.0429E+03	6.8910E+01	9.8566E+02
9.2	7.2472E+01	1.1458E+03	5.6968E+01	1.0834E+03
9.3	5.7642E+01	1.2586E+03	4.2004E+01	1.1906E+03
9.4	3.9222E+01	1.3821E+03	2.3540E+01	1.3080E+03
9.5	1.6655E+01	1.5173E+03	1.0379E+00	1.4367E+03
9.6	-1.0691E+01	1.6654E+03	-2.6115E+01	1.5776E+03
9.7	-4.3529E+01	1.8276E+03	-5.8609E+01	1.7318E+03
9.8	-8.2667E+01	2.0050E+03	-9.7227E+01	1.9007E+03
9.9	-1.2901E+02	2.1990E+03	-1.4285E+02	2.0855E+03
10.0	-1.8360E+02	2.4113E+03	-1.9648E+02	2.2877E+03

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	-1.8360E+02	2.4113E+03	-1.9648E+02	2.2877E+03
10.1	-2.4757E+02	2.6434E+03	-2.5922E+02	2.5089E+03
10.2	-3.2225E+02	2.8971E+03	-3.3235E+02	2.7507E+03
10.3	-4.0908E+02	3.1743E+03	-4.1729E+02	3.0150E+03
10.4	-5.0973E+02	3.4771E+03	-5.1563E+02	3.3039E+03
10.5	-6.2604E+02	3.8079E+03	-6.2916E+02	3.6194E+03
10.6	-7.6008E+02	4.1690E+03	-7.5991E+02	3.9640E+03
10.7	-9.1420E+02	4.5632E+03	-9.1012E+02	4.3402E+03
10.8	-1.0910E+03	4.9933E+03	-1.0823E+03	4.7509E+03
10.9	-1.2934E+03	5.4624E+03	-1.2794E+03	5.1989E+03
11.0	-1.5247E+03	5.9740E+03	-1.5044E+03	5.6876E+03
11.1	-1.7885E+03	6.5317E+03	-1.7611E+03	6.2204E+03
11.2	-2.0890E+03	7.1394E+03	-2.0532E+03	6.8012E+03
11.3	-2.4308E+03	7.8014E+03	-2.3854E+03	7.4340E+03
11.4	-2.8188E+03	8.5223E+03	-2.7624E+03	8.1233E+03
11.5	-3.2590E+03	9.3072E+03	-3.1900E+03	8.8738E+03
11.6	-3.7576E+03	1.0161E+04	-3.6743E+03	9.6907E+03
11.7	-4.3217E+03	1.1090E+04	-4.2221E+03	1.0580E+04
11.8	-4.9594E+03	1.2100E+04	-4.8412E+03	1.1546E+04
11.9	-5.6794E+03	1.3199E+04	-5.5401E+03	1.2597E+04
12.0	-6.4915E+03	1.4392E+04	-6.3284E+03	1.3739E+04
12.1	-7.4068E+03	1.5688E+04	-7.2168E+03	1.4980E+04
12.2	-8.4375E+03	1.7094E+04	-8.2170E+03	1.6327E+04
12.3	-9.5971E+03	1.8621E+04	-9.3422E+03	1.7789E+04
12.4	-1.0901E+04	2.0277E+04	-1.0607E+04	1.9375E+04
12.5	-1.2365E+04	2.2072E+04	-1.2028E+04	2.1095E+04
12.6	-1.4009E+04	2.4018E+04	-1.3623E+04	2.2959E+04
12.7	-1.5853E+04	2.6125E+04	-1.5412E+04	2.4978E+04
12.8	-1.7920E+04	2.8407E+04	-1.7418E+04	2.7165E+04
12.9	-2.0236E+04	3.0875E+04	-1.9665E+04	2.9531E+04
13.0	-2.2829E+04	3.3545E+04	-2.2181E+04	3.2090E+04
13.1	-2.5730E+04	3.6430E+04	-2.4996E+04	3.4856E+04
13.2	-2.8975E+04	3.9548E+04	-2.8144E+04	3.7845E+04
13.3	-3.2601E+04	4.2913E+04	-3.1663E+04	4.1072E+04
13.4	-3.6653E+04	4.6543E+04	-3.5594E+04	4.4553E+04
13.5	-4.1176E+04	5.0458E+04	-3.9983E+04	4.8307E+04
13.6	-4.6224E+04	5.4676E+04	-4.4882E+04	5.2352E+04
13.7	-5.1854E+04	5.9218E+04	-5.0346E+04	5.6707E+04
13.8	-5.8132E+04	6.4104E+04	-5.6439E+04	6.1394E+04
13.9	-6.5128E+04	6.9357E+04	-6.3229E+04	6.6432E+04
14.0	-7.2920E+04	7.5000E+04	-7.0792E+04	7.1844E+04
14.1	-8.1597E+04	8.1057E+04	-7.9214E+04	7.7653E+04
14.2	-9.1253E+04	8.7552E+04	-8.8588E+04	8.3882E+04
14.3	-1.0200E+05	9.4510E+04	-9.9017E+04	9.0555E+04
14.4	-1.1394E+05	1.0196E+05	-1.1061E+05	9.7696E+04
14.5	-1.2722E+05	1.0992E+05	-1.2351E+05	1.0533E+05
14.6	-1.4198E+05	1.1842E+05	-1.3783E+05	1.1348E+05
14.7	-1.5837E+05	1.2749E+05	-1.5375E+05	1.2218E+05
14.8	-1.7656E+05	1.3716E+05	-1.7142E+05	1.3144E+05
14.9	-1.9676E+05	1.4744E+05	-1.9104E+05	1.4129E+05
15.0	-2.1917E+05	1.5836E+05	-2.1280E+05	1.5176E+05

R	RE(10)	IM(10)	RE(11)	IM(11)
15.0	-2.1917E+05	1.5836E+05	-2.1280E+05	1.5176E+05
15.1	-2.4403E+05	1.6994E+05	-2.3695E+05	1.6285E+05
15.2	-2.7159E+05	1.8221E+05	-2.6372E+05	1.7460E+05
15.3	-3.0213E+05	1.9518E+05	-2.9339E+05	1.8702E+05
15.4	-3.3598E+05	2.0886E+05	-3.2628E+05	2.0011E+05
15.5	-3.7347E+05	2.2326E+05	-3.6270E+05	2.1389E+05
15.6	-4.1498E+05	2.3839E+05	-4.0304E+05	2.2836E+05
15.7	-4.6093E+05	2.5424E+05	-4.4769E+05	2.4350E+05
15.8	-5.1177E+05	2.7080E+05	-4.9711E+05	2.5931E+05
15.9	-5.6802E+05	2.8804E+05	-5.5177E+05	2.7577E+05
16.0	-6.3022E+05	3.0594E+05	-6.1224E+05	2.9284E+05
16.1	-6.9899E+05	3.2444E+05	-6.7908E+05	3.1046E+05
16.2	-7.7499E+05	3.4348E+05	-7.5297E+05	3.2858E+05
16.3	-8.5896E+05	3.6298E+05	-8.3461E+05	3.4711E+05
16.4	-9.5171E+05	3.8282E+05	-9.2479E+05	3.6595E+05
16.5	-1.0541E+06	4.0289E+05	-1.0244E+06	3.8495E+05
16.6	-1.1672E+06	4.2301E+05	-1.1343E+06	4.0396E+05
16.7	-1.2920E+06	4.4299E+05	-1.2557E+06	4.2279E+05
16.8	-1.4296E+06	4.6259E+05	-1.3895E+06	4.4120E+05
16.9	-1.5814E+06	4.8152E+05	-1.5372E+06	4.5890E+05
17.0	-1.7488E+06	4.9946E+05	-1.7000E+06	4.7557E+05
17.1	-1.9333E+06	5.1601E+05	-1.8795E+06	4.9080E+05
17.2	-2.1366E+06	5.3069E+05	-2.0773E+06	5.0415E+05
17.3	-2.3606E+06	5.4297E+05	-2.2952E+06	5.1507E+05
17.4	-2.6073E+06	5.5220E+05	-2.5353E+06	5.2293E+05
17.5	-2.8789E+06	5.5765E+05	-2.7996E+06	5.2701E+05
17.6	-3.1779E+06	5.5846E+05	-3.0905E+06	5.2646E+05
17.7	-3.5068E+06	5.5366E+05	-3.4107E+06	5.2031E+05
17.8	-3.8687E+06	5.4209E+05	-3.7629E+06	5.0744E+05
17.9	-4.2667E+06	5.2245E+05	-4.1503E+06	4.8656E+05
18.0	-4.7043E+06	4.9325E+05	-4.5762E+06	4.5620E+05
18.1	-5.1852E+06	4.5276E+05	-5.0444E+06	4.1466E+05
18.2	-5.7137E+06	3.9903E+05	-5.5589E+06	3.6003E+05
18.3	-6.2942E+06	3.2982E+05	-6.1241E+06	2.9009E+05
18.4	-6.9317E+06	2.4258E+05	-6.7448E+06	2.0234E+05
18.5	-7.6315E+06	1.3440E+05	-7.4263E+06	9.3920E+04
18.6	-8.3997E+06	1.9940E+03	-8.1743E+06	-3.8399E+04
18.7	-9.2425E+06	-1.5838E+05	-8.9951E+06	-1.9830E+05
18.8	-1.0167E+07	-3.5096E+05	-9.8954E+06	-3.8993E+05
18.9	-1.1181E+07	-5.8054E+05	-1.0883E+07	-6.1803E+05
19.0	-1.2292E+07	-8.5256E+05	-1.1965E+07	-8.8792E+05
19.1	-1.3510E+07	-1.1731E+06	-1.3151E+07	-1.2056E+06
19.2	-1.4844E+07	-1.5492E+06	-1.4451E+07	-1.5780E+06
19.3	-1.6305E+07	-1.9886E+06	-1.5874E+07	-2.0126E+06
19.4	-1.7904E+07	-2.5000E+06	-1.7432E+07	-2.5181E+06
19.5	-1.9655E+07	-3.0934E+06	-1.9138E+07	-3.1042E+06
19.6	-2.1571E+07	-3.7800E+06	-2.1005E+07	-3.7820E+06
19.7	-2.3666E+07	-4.5723E+06	-2.3046E+07	-4.5637E+06
19.8	-2.5957E+07	-5.4843E+06	-2.5279E+07	-5.4630E+06
19.9	-2.8461E+07	-6.5318E+06	-2.7719E+07	-6.4956E+06
20.0	-3.1198E+07	-7.7325E+06	-3.0385E+07	-7.6788E+06

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	1.0022E+00	1.2514E-03	4.8340E-02	1.2985E-02
0.2	1.0087E+00	5.0217E-03	9.6946E-02	2.6236E-02
0.3	1.0195E+00	1.1360E-02	1.4608E-01	4.0022E-02
0.4	1.0348E+00	2.0348E-02	1.9602E-01	5.4618E-02
0.5	1.0546E+00	3.2103E-02	2.4703E-01	7.0308E-02
0.6	1.0790E+00	4.6774E-02	2.9938E-01	8.7389E-02
0.7	1.1080E+00	6.4550E-02	3.5334E-01	1.0617E-01
0.8	1.1418E+00	8.5657E-02	4.0922E-01	1.2699E-01
0.9	1.1805E+00	1.1036E-01	4.6728E-01	1.5020E-01
1.0	1.2243E+00	1.3897E-01	5.2782E-01	1.7617E-01
1.1	1.2734E+00	1.7184E-01	5.9114E-01	2.0533E-01
1.2	1.3280E+00	2.0938E-01	6.5755E-01	2.3811E-01
1.3	1.3882E+00	2.5204E-01	7.2736E-01	2.7500E-01
1.4	1.4543E+00	3.0034E-01	8.0088E-01	3.1653E-01
1.5	1.5266E+00	3.5485E-01	8.7846E-01	3.6329E-01
1.6	1.6053E+00	4.1622E-01	9.6042E-01	4.1589E-01
1.7	1.6907E+00	4.8516E-01	1.0471E+00	4.7505E-01
1.8	1.7831E+00	5.6247E-01	1.1389E+00	5.4151E-01
1.9	1.8828E+00	6.4903E-01	1.2360E+00	6.1613E-01
2.0	1.9901E+00	7.4582E-01	1.3390E+00	6.9982E-01
2.1	2.1053E+00	8.5392E-01	1.4481E+00	7.9360E-01
2.2	2.2289E+00	9.7451E-01	1.5637E+00	8.9858E-01
2.3	2.3610E+00	1.1089E+00	1.6862E+00	1.0160E+00
2.4	2.5022E+00	1.2586E+00	1.8159E+00	1.1471E+00
2.5	2.6526E+00	1.4251E+00	1.9532E+00	1.2936E+00
2.6	2.8126E+00	1.6102E+00	2.0985E+00	1.4568E+00
2.7	2.9827E+00	1.8158E+00	2.2519E+00	1.6388E+00
2.8	3.1629E+00	2.0441E+00	2.4140E+00	1.8413E+00
2.9	3.3538E+00	2.2973E+00	2.5848E+00	2.0666E+00
3.0	3.5554E+00	2.5780E+00	2.7647E+00	2.3170E+00
3.1	3.7680E+00	2.8890E+00	2.9540E+00	2.5951E+00
3.2	3.9918E+00	3.2333E+00	3.1526E+00	2.9037E+00
3.3	4.2267E+00	3.6143E+00	3.3607E+00	3.2460E+00
3.4	4.4730E+00	4.0356E+00	3.5783E+00	3.6252E+00
3.5	4.7303E+00	4.5013E+00	3.8054E+00	4.0452E+00
3.6	4.9986E+00	5.0156E+00	4.0416E+00	4.5099E+00
3.7	5.2775E+00	5.5834E+00	4.2868E+00	5.0238E+00
3.8	5.5665E+00	6.2098E+00	4.5402E+00	5.5918E+00
3.9	5.8649E+00	6.9006E+00	4.8015E+00	6.2192E+00
4.0	6.1718E+00	7.6620E+00	5.0695E+00	6.9116E+00
4.1	6.4861E+00	8.5006E+00	5.3433E+00	7.6754E+00
4.2	6.8062E+00	9.4239E+00	5.6213E+00	8.5175E+00
4.3	7.1305E+00	1.0440E+01	5.9020E+00	9.4453E+00
4.4	7.4567E+00	1.1557E+01	6.1831E+00	1.0467E+01
4.5	7.7822E+00	1.2785E+01	6.4623E+00	1.1591E+01
4.6	8.1039E+00	1.4134E+01	6.7364E+00	1.2828E+01
4.7	8.4182E+00	1.5616E+01	7.0020E+00	1.4187E+01
4.8	8.7207E+00	1.7242E+01	7.2549E+00	1.5681E+01
4.9	9.0063E+00	1.9025E+01	7.4902E+00	1.7320E+01
5.0	9.2690E+00	2.0981E+01	7.7022E+00	1.9120E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	9.2690E+00	2.0981E+01	7.7022E+00	1.9120E+01
5.1	9.5020E+00	2.3123E+01	7.8843E+00	2.1094E+01
5.2	9.6974E+00	2.5469E+01	8.0290E+00	2.3257E+01
5.3	9.8460E+00	2.8038E+01	8.1274E+00	2.5627E+01
5.4	9.9372E+00	3.0848E+01	8.1695E+00	2.8222E+01
5.5	9.9590E+00	3.3920E+01	8.1436E+00	3.1063E+01
5.6	9.8976E+00	3.7278E+01	8.0367E+00	3.4169E+01
5.7	9.7373E+00	4.0946E+01	7.8337E+00	3.7564E+01
5.8	9.4601E+00	4.4949E+01	7.5174E+00	4.1273E+01
5.9	9.0458E+00	4.9318E+01	7.0684E+00	4.5323E+01
6.0	8.4714E+00	5.4082E+01	6.4646E+00	4.9743E+01
6.1	7.7106E+00	5.9273E+01	5.6811E+00	5.4562E+01
6.2	6.7341E+00	6.4928E+01	4.6897E+00	5.9815E+01
6.3	5.5086E+00	7.1085E+01	3.4586E+00	6.5537E+01
6.4	3.9966E+00	7.7782E+01	1.9518E+00	7.1765E+01
6.5	2.1559E+00	8.5064E+01	1.2909E-01	7.8541E+01
6.6	-6.0814E-02	9.2978E+01	-2.0549E+00	8.5908E+01
6.7	-2.7068E+00	1.0157E+02	-4.6512E+00	9.3913E+01
6.8	-5.8417E+00	1.1090E+02	-7.7169E+00	1.0260E+02
6.9	-9.5323E+00	1.2101E+02	-1.1316E+01	1.1203E+02
7.0	-1.3853E+01	1.3198E+02	-1.5520E+01	1.2226E+02
7.1	-1.8888E+01	1.4385E+02	-2.0408E+01	1.3334E+02
7.2	-2.4731E+01	1.5670E+02	-2.6071E+01	1.4534E+02
7.3	-3.1485E+01	1.7060E+02	-3.2608E+01	1.5832E+02
7.4	-3.9266E+01	1.8562E+02	-4.0130E+01	1.7235E+02
7.5	-4.8205E+01	2.0185E+02	-4.8762E+01	1.8751E+02
7.6	-5.8443E+01	2.1935E+02	-5.8639E+01	2.0388E+02
7.7	-7.0142E+01	2.3823E+02	-6.9917E+01	2.2152E+02
7.8	-8.3479E+01	2.5856E+02	-8.2765E+01	2.4054E+02
7.9	-9.8652E+01	2.8044E+02	-9.7372E+01	2.6102E+02
8.0	-1.1588E+02	3.0398E+02	-1.1395E+02	2.8304E+02
8.1	-1.3540E+02	3.2926E+02	-1.3273E+02	3.0670E+02
8.2	-1.5749E+02	3.5639E+02	-1.5396E+02	3.3209E+02
8.3	-1.8244E+02	3.8548E+02	-1.7794E+02	3.5933E+02
8.4	-2.1058E+02	4.1663E+02	-2.0498E+02	3.8849E+02
8.5	-2.4228E+02	4.4995E+02	-2.3543E+02	4.1970E+02
8.6	-2.7793E+02	4.8556E+02	-2.6967E+02	4.5304E+02
8.7	-3.1798E+02	5.2355E+02	-3.0814E+02	4.8861E+02
8.8	-3.6292E+02	5.6404E+02	-3.5128E+02	5.2652E+02
8.9	-4.1328E+02	6.0712E+02	-3.9964E+02	5.6685E+02
9.0	-4.6967E+02	6.5289E+02	-4.5377E+02	6.0970E+02
9.1	-5.3274E+02	7.0144E+02	-5.1430E+02	6.5514E+02
9.2	-6.0319E+02	7.5285E+02	-5.8193E+02	7.0325E+02
9.3	-6.8184E+02	8.0719E+02	-6.5742E+02	7.5409E+02
9.4	-7.6953E+02	8.6452E+02	-7.4159E+02	8.0769E+02
9.5	-8.6724E+02	9.2485E+02	-8.3537E+02	8.6409E+02
9.6	-9.7601E+02	9.8820E+02	-9.3977E+02	9.2327E+02
9.7	-1.0970E+03	1.0546E+03	-1.0559E+03	9.8522E+02
9.8	-1.2314E+03	1.1238E+03	-1.1849E+03	1.0499E+03
9.9	-1.3807E+03	1.1960E+03	-1.3282E+03	1.1171E+03
10.0	-1.5464E+03	1.2708E+03	-1.4872E+03	1.1868E+03

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	-1.5464E+03	1.2708E+03	-1.4872E+03	1.1868E+03
10.1	-1.7300E+03	1.3482E+03	-1.6636E+03	1.2588E+03
10.2	-1.9335E+03	1.4278E+03	-1.8589E+03	1.3327E+03
10.3	-2.1588E+03	1.5093E+03	-2.0752E+03	1.4083E+03
10.4	-2.4081E+03	1.5923E+03	-2.3145E+03	1.4850E+03
10.5	-2.6837E+03	1.6762E+03	-2.5791E+03	1.5625E+03
10.6	-2.9881E+03	1.7604E+03	-2.8715E+03	1.6399E+03
10.7	-3.3242E+03	1.8441E+03	-3.1943E+03	1.7166E+03
10.8	-3.6951E+03	1.9263E+03	-3.5504E+03	1.7917E+03
10.9	-4.1040E+03	2.0060E+03	-3.9432E+03	1.8639E+03
11.0	-4.5546E+03	2.0818E+03	-4.3760E+03	1.9321E+03
11.1	-5.0508E+03	2.1522E+03	-4.8526E+03	1.9947E+03
11.2	-5.5968E+03	2.2153E+03	-5.3771E+03	2.0498E+03
11.3	-6.1973E+03	2.2691E+03	-5.9540E+03	2.0956E+03
11.4	-6.8572E+03	2.3111E+03	-6.5881E+03	2.1294E+03
11.5	-7.5821E+03	2.3384E+03	-7.2846E+03	2.1487E+03
11.6	-8.3778E+03	2.3479E+03	-8.0491E+03	2.1502E+03
11.7	-9.2506E+03	2.3358E+03	-8.8879E+03	2.1303E+03
11.8	-1.0207E+04	2.2979E+03	-9.8075E+03	2.0847E+03
11.9	-1.1256E+04	2.2292E+03	-1.0815E+04	2.0088E+03
12.0	-1.2403E+04	2.1241E+03	-1.1918E+04	1.8970E+03
12.1	-1.3659E+04	1.9765E+03	-1.3125E+04	1.7433E+03
12.2	-1.5033E+04	1.7790E+03	-1.4445E+04	1.5405E+03
12.3	-1.6533E+04	1.5234E+03	-1.5888E+04	1.2807E+03
12.4	-1.8172E+04	1.2007E+03	-1.7463E+04	9.5491E+02
12.5	-1.9960E+04	8.0025E+02	-1.9183E+04	5.5303E+02
12.6	-2.1911E+04	3.1036E+02	-2.1058E+04	6.3430E+01
12.7	-2.4036E+04	-2.8224E+02	-2.3102E+04	-5.2677E+02
12.8	-2.6351E+04	-9.9252E+02	-2.5328E+04	-1.2321E+03
12.9	-2.8871E+04	-1.8373E+03	-2.7750E+04	-2.0691E+03
13.0	-3.1611E+04	-2.8354E+03	-3.0385E+04	-3.0559E+03
13.1	-3.4588E+04	-4.0079E+03	-3.3249E+04	-4.2134E+03
13.2	-3.7822E+04	-5.3787E+03	-3.6358E+04	-5.5644E+03
13.3	-4.1331E+04	-6.9743E+03	-3.9732E+04	-7.1351E+03
13.4	-4.5135E+04	-8.8243E+03	-4.3391E+04	-8.9541E+03
13.5	-4.9257E+04	-1.0962E+04	-4.7354E+04	-1.1054E+04
13.6	-5.3719E+04	-1.3424E+04	-5.1645E+04	-1.3470E+04
13.7	-5.8545E+04	-1.6252E+04	-5.6286E+04	-1.6244E+04
13.8	-6.3760E+04	-1.9492E+04	-6.1300E+04	-1.9419E+04
13.9	-6.9391E+04	-2.3195E+04	-6.6714E+04	-2.3046E+04
14.0	-7.5465E+04	-2.7417E+04	-7.2554E+04	-2.7180E+04
14.1	-8.2010E+04	-3.2223E+04	-7.8847E+04	-3.1882E+04
14.2	-8.9056E+04	-3.7682E+04	-8.5620E+04	-3.7222E+04
14.3	-9.6634E+04	-4.3873E+04	-9.2904E+04	-4.3274E+04
14.4	-1.0477E+05	-5.0882E+04	-1.0073E+05	-5.0124E+04
14.5	-1.1351E+05	-5.8804E+04	-1.0912E+05	-5.7864E+04
14.6	-1.2287E+05	-6.7746E+04	-1.1812E+05	-6.6598E+04
14.7	-1.3289E+05	-7.7825E+04	-1.2774E+05	-7.6439E+04
14.8	-1.4360E+05	-8.9171E+04	-1.3803E+05	-8.7516E+04
14.9	-1.5504E+05	-1.0193E+05	-1.4902E+05	-9.9966E+04
15.0	-1.6723E+05	-1.1625E+05	-1.6072E+05	-1.1394E+05

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	-1.6723E+05	-1.1625E+05	-1.6072E+05	-1.1394E+05
15.1	-1.8020E+05	-1.3232E+05	-1.7317E+05	-1.2962E+05
15.2	-1.9398E+05	-1.5032E+05	-1.8639E+05	-1.4718E+05
15.3	-2.0860E+05	-1.7048E+05	-2.0042E+05	-1.6684E+05
15.4	-2.2407E+05	-1.9301E+05	-2.1525E+05	-1.8881E+05
15.5	-2.4041E+05	-2.1818E+05	-2.3092E+05	-2.1336E+05
15.6	-2.5764E+05	-2.4628E+05	-2.4743E+05	-2.4075E+05
15.7	-2.7575E+05	-2.7761E+05	-2.6477E+05	-2.7129E+05
15.8	-2.9474E+05	-3.1251E+05	-2.8295E+05	-3.0531E+05
15.9	-3.1460E+05	-3.5137E+05	-3.0194E+05	-3.4318E+05
16.0	-3.3529E+05	-3.9459E+05	-3.2173E+05	-3.8530E+05
16.1	-3.5679E+05	-4.4262E+05	-3.4225E+05	-4.3211E+05
16.2	-3.7902E+05	-4.9595E+05	-3.6347E+05	-4.8408E+05
16.3	-4.0192E+05	-5.5513E+05	-3.8529E+05	-5.4174E+05
16.4	-4.2537E+05	-6.2076E+05	-4.0761E+05	-6.0568E+05
16.5	-4.4926E+05	-6.9347E+05	-4.3031E+05	-6.7652E+05
16.6	-4.7343E+05	-7.7397E+05	-4.5323E+05	-7.5494E+05
16.7	-4.9767E+05	-8.6304E+05	-4.7617E+05	-8.4171E+05
16.8	-5.2176E+05	-9.6152E+05	-4.9891E+05	-9.3763E+05
16.9	-5.4541E+05	-1.0703E+06	-5.2116E+05	-1.0436E+06
17.0	-5.6830E+05	-1.1905E+06	-5.4258E+05	-1.1606E+06
17.1	-5.9001E+05	-1.3230E+06	-5.6280E+05	-1.2897E+06
17.2	-6.1009E+05	-1.4692E+06	-5.8133E+05	-1.4321E+06
17.3	-6.2799E+05	-1.6302E+06	-5.9765E+05	-1.5889E+06
17.4	-6.4307E+05	-1.8075E+06	-6.1113E+05	-1.7616E+06
17.5	-6.5460E+05	-2.0027E+06	-6.2104E+05	-1.9516E+06
17.6	-6.6172E+05	-2.2173E+06	-6.2653E+05	-2.1606E+06
17.7	-6.6344E+05	-2.4531E+06	-6.2663E+05	-2.3903E+06
17.8	-6.5864E+05	-2.7122E+06	-6.2023E+05	-2.6425E+06
17.9	-6.4601E+05	-2.9965E+06	-6.0605E+05	-2.9194E+06
18.0	-6.2407E+05	-3.3083E+06	-5.8263E+05	-3.2230E+06
18.1	-5.9113E+05	-3.6501E+06	-5.4830E+05	-3.5558E+06
18.2	-5.4525E+05	-4.0245E+06	-5.0115E+05	-3.9203E+06
18.3	-4.8424E+05	-4.4344E+06	-4.3904E+05	-4.3193E+06
18.4	-4.0559E+05	-4.8827E+06	-3.5949E+05	-4.7559E+06
18.5	-3.0650E+05	-5.3729E+06	-2.5975E+05	-5.2330E+06
18.6	-1.8376E+05	-5.9083E+06	-1.3666E+05	-5.7543E+06
18.7	-3.3761E+04	-6.4929E+06	1.3313E+04	-6.3233E+06
18.8	1.4757E+05	-7.1306E+06	1.9418E+05	-6.9441E+06
18.9	3.6483E+05	-7.8258E+06	4.1045E+05	-7.6208E+06
19.0	6.2317E+05	-8.5832E+06	6.6720E+05	-8.3580E+06
19.1	9.2841E+05	-9.4076E+06	9.7013E+05	-9.1604E+06
19.2	1.2871E+06	-1.0304E+07	1.3256E+06	-1.0033E+07
19.3	1.7064E+06	-1.1279E+07	1.7409E+06	-1.0982E+07
19.4	2.1947E+06	-1.2338E+07	2.2239E+06	-1.2012E+07
19.5	2.7611E+06	-1.3487E+07	2.7838E+06	-1.3130E+07
19.6	3.4158E+06	-1.4733E+07	3.4305E+06	-1.4342E+07
19.7	4.1702E+06	-1.6082E+07	4.1752E+06	-1.5655E+07
19.8	5.0372E+06	-1.7543E+07	5.0306E+06	-1.7077E+07
19.9	6.0310E+06	-1.9123E+07	6.0105E+06	-1.8614E+07
20.0	7.1675E+06	-2.0831E+07	7.1306E+06	-2.0274E+07

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	1.0019E+00	1.6085E-03	4.7016E-02	1.7155E-02
0.2	1.0077E+00	6.4525E-03	9.4219E-02	3.4636E-02
0.3	1.0173E+00	1.4588E-02	1.4180E-01	5.2771E-02
0.4	1.0307E+00	2.6107E-02	1.8993E-01	7.1894E-02
0.5	1.0480E+00	4.1142E-02	2.3881E-01	9.2351E-02
0.6	1.0693E+00	5.9863E-02	2.8862E-01	1.1450E-01
0.7	1.0945E+00	8.2480E-02	3.3953E-01	1.3871E-01
0.8	1.1236E+00	1.0925E-01	3.9172E-01	1.6537E-01
0.9	1.1568E+00	1.4046E-01	4.4536E-01	1.9490E-01
1.0	1.1940E+00	1.7646E-01	5.0060E-01	2.2774E-01
1.1	1.2353E+00	2.1764E-01	5.5761E-01	2.6435E-01
1.2	1.2807E+00	2.6444E-01	6.1654E-01	3.0525E-01
1.3	1.3303E+00	3.1736E-01	6.7751E-01	3.5097E-01
1.4	1.3841E+00	3.7694E-01	7.4065E-01	4.0210E-01
1.5	1.4420E+00	4.4381E-01	8.0607E-01	4.5926E-01
1.6	1.5041E+00	5.1863E-01	8.7385E-01	5.2315E-01
1.7	1.5704E+00	6.0216E-01	9.4406E-01	5.9448E-01
1.8	1.6409E+00	6.9522E-01	1.0167E+00	6.7408E-01
1.9	1.7154E+00	7.9871E-01	1.0919E+00	7.6279E-01
2.0	1.7939E+00	9.1361E-01	1.1695E+00	8.6156E-01
2.1	1.8762E+00	1.0410E+00	1.2496E+00	9.7140E-01
2.2	1.9622E+00	1.1821E+00	1.3319E+00	1.0934E+00
2.3	2.0516E+00	1.3380E+00	1.4163E+00	1.2288E+00
2.4	2.1442E+00	1.5104E+00	1.5027E+00	1.3788E+00
2.5	2.2396E+00	1.7005E+00	1.5907E+00	1.5449E+00
2.6	2.3373E+00	1.9101E+00	1.6799E+00	1.7285E+00
2.7	2.4369E+00	2.1409E+00	1.7699E+00	1.9314E+00
2.8	2.5376E+00	2.3948E+00	1.8601E+00	2.1551E+00
2.9	2.6388E+00	2.6739E+00	1.9499E+00	2.4017E+00
3.0	2.7395E+00	2.9803E+00	2.0384E+00	2.6732E+00
3.1	2.8386E+00	3.3165E+00	2.1246E+00	2.9718E+00
3.2	2.9351E+00	3.6850E+00	2.2075E+00	3.2998E+00
3.3	3.0273E+00	4.0886E+00	2.2857E+00	3.6597E+00
3.4	3.1137E+00	4.5302E+00	2.3577E+00	4.0544E+00
3.5	3.1924E+00	5.0130E+00	2.4217E+00	4.4866E+00
3.6	3.2611E+00	5.5402E+00	2.4757E+00	4.9596E+00
3.7	3.3175E+00	6.1156E+00	2.5173E+00	5.4766E+00
3.8	3.3586E+00	6.7430E+00	2.5438E+00	6.0411E+00
3.9	3.3812E+00	7.4264E+00	2.5523E+00	6.6569E+00
4.0	3.3816E+00	8.1702E+00	2.5392E+00	7.3281E+00
4.1	3.3557E+00	8.9789E+00	2.5006E+00	8.0588E+00
4.2	3.2986E+00	9.8574E+00	2.4321E+00	8.8535E+00
4.3	3.2053E+00	1.0811E+01	2.3286E+00	9.7170E+00
4.4	3.0695E+00	1.1845E+01	2.1847E+00	1.0654E+01
4.5	2.8847E+00	1.2965E+01	1.9938E+00	1.1671E+01
4.6	2.6432E+00	1.4177E+01	1.7488E+00	1.2771E+01
4.7	2.3368E+00	1.5487E+01	1.4419E+00	1.3962E+01
4.8	1.9558E+00	1.6901E+01	1.0642E+00	1.5250E+01
4.9	1.4899E+00	1.8428E+01	6.0555E-01	1.6639E+01
5.0	9.2732E-01	2.0072E+01	5.5035E-02	1.8138E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	9.2732E-01	2.0072E+01	5.5035E-02	1.8138E+01
5.1	2.5498E-01	2.1843E+01	-5.9973E-01	1.9752E+01
5.2	-5.4158E-01	2.3746E+01	-1.3725E+00	2.1488E+01
5.3	-1.4785E+00	2.5790E+01	-2.2784E+00	2.3353E+01
5.4	-2.5735E+00	2.7982E+01	-3.3344E+00	2.5355E+01
5.5	-3.8464E+00	3.0329E+01	-4.5592E+00	2.7499E+01
5.6	-5.3191E+00	3.2841E+01	-5.9734E+00	2.9794E+01
5.7	-7.0155E+00	3.5523E+01	-7.5999E+00	3.2246E+01
5.8	-8.9624E+00	3.8383E+01	-9.4639E+00	3.4861E+01
5.9	-1.1189E+01	4.1429E+01	-1.1593E+01	3.7646E+01
6.0	-1.3728E+01	4.4668E+01	-1.4018E+01	4.0608E+01
6.1	-1.6614E+01	4.8104E+01	-1.6773E+01	4.3750E+01
6.2	-1.9886E+01	5.1744E+01	-1.9894E+01	4.7079E+01
6.3	-2.3588E+01	5.5593E+01	-2.3422E+01	5.0597E+01
6.4	-2.7766E+01	5.9652E+01	-2.7402E+01	5.4308E+01
6.5	-3.2471E+01	6.3925E+01	-3.1882E+01	5.8212E+01
6.6	-3.7759E+01	6.8411E+01	-3.6915E+01	6.2309E+01
6.7	-4.3692E+01	7.3109E+01	-4.2559E+01	6.6597E+01
6.8	-5.0336E+01	7.8014E+01	-4.8879E+01	7.1070E+01
6.9	-5.7765E+01	8.3120E+01	-5.5942E+01	7.5722E+01
7.0	-6.6057E+01	8.8415E+01	-6.3825E+01	8.0541E+01
7.1	-7.5299E+01	9.3885E+01	-7.2610E+01	8.5513E+01
7.2	-8.5585E+01	9.9512E+01	-8.2385E+01	9.0619E+01
7.3	-9.7017E+01	1.0527E+02	-9.3247E+01	9.5835E+01
7.4	-1.0970E+02	1.1113E+02	-1.0530E+02	1.0113E+02
7.5	-1.2377E+02	1.1706E+02	-1.1866E+02	1.0647E+02
7.6	-1.3933E+02	1.2301E+02	-1.3345E+02	1.1181E+02
7.7	-1.5654E+02	1.2893E+02	-1.4979E+02	1.1710E+02
7.8	-1.7555E+02	1.3475E+02	-1.6784E+02	1.2227E+02
7.9	-1.9651E+02	1.4040E+02	-1.8775E+02	1.2725E+02
8.0	-2.1960E+02	1.4579E+02	-2.0968E+02	1.3196E+02
8.1	-2.4501E+02	1.5082E+02	-2.3382E+02	1.3629E+02
8.2	-2.7293E+02	1.5537E+02	-2.6034E+02	1.4014E+02
8.3	-3.0359E+02	1.5930E+02	-2.8946E+02	1.4336E+02
8.4	-3.3722E+02	1.6245E+02	-3.2139E+02	1.4580E+02
8.5	-3.7405E+02	1.6465E+02	-3.5638E+02	1.4729E+02
8.6	-4.1436E+02	1.6568E+02	-3.9465E+02	1.4762E+02
8.7	-4.5842E+02	1.6531E+02	-4.3650E+02	1.4657E+02
8.8	-5.0652E+02	1.6328E+02	-4.8218E+02	1.4387E+02
8.9	-5.5899E+02	1.5926E+02	-5.3200E+02	1.3923E+02
9.0	-6.1614E+02	1.5293E+02	-5.8628E+02	1.3232E+02
9.1	-6.7834E+02	1.4389E+02	-6.4535E+02	1.2275E+02
9.2	-7.4595E+02	1.3170E+02	-7.0955E+02	1.1011E+02
9.3	-8.1936E+02	1.1587E+02	-7.7925E+02	9.3916E+01
9.4	-8.9896E+02	9.5852E+01	-8.5483E+02	7.3632E+01
9.5	-9.8519E+02	7.1018E+01	-9.3670E+02	4.8659E+01
9.6	-1.0785E+03	4.0678E+01	-1.0253E+03	1.8327E+01
9.7	-1.1793E+03	4.0578E+00	-1.1210E+03	-1.8114E+01
9.8	-1.2881E+03	-3.9708E+01	-1.2242E+03	-6.1499E+01
9.9	-1.4053E+03	-9.1580E+01	-1.3355E+03	-1.1276E+02
10.0	-1.5315E+03	-1.5263E+02	-1.4552E+03	-1.7292E+02

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	-1.5315E+03	-1.5263E+02	-1.4552E+03	-1.7292E+02
10.1	-1.6672E+03	-2.2404E+02	-1.5839E+03	-2.4315E+02
10.2	-1.8127E+03	-3.0713E+02	-1.7220E+03	-3.2470E+02
10.3	-1.9687E+03	-4.0337E+02	-1.8700E+03	-4.1900E+02
10.4	-2.1357E+03	-5.1436E+02	-2.0283E+03	-5.2759E+02
10.5	-2.3140E+03	-6.4189E+02	-2.1973E+03	-6.5221E+02
10.6	-2.5042E+03	-7.8793E+02	-2.3775E+03	-7.9476E+02
10.7	-2.7066E+03	-9.5465E+02	-2.5693E+03	-9.5732E+02
10.8	-2.9217E+03	-1.1444E+03	-2.7730E+03	-1.1422E+03
10.9	-3.1497E+03	-1.3599E+03	-2.9889E+03	-1.3520E+03
11.0	-3.3910E+03	-1.6040E+03	-3.2171E+03	-1.5894E+03
11.1	-3.6457E+03	-1.8798E+03	-3.4580E+03	-1.8576E+03
11.2	-3.9138E+03	-2.1908E+03	-3.7114E+03	-2.1598E+03
11.3	-4.1954E+03	-2.5409E+03	-3.9773E+03	-2.4997E+03
11.4	-4.4902E+03	-2.9342E+03	-4.2556E+03	-2.8815E+03
11.5	-4.7979E+03	-3.3751E+03	-4.5457E+03	-3.3093E+03
11.6	-5.1179E+03	-3.8688E+03	-4.8471E+03	-3.7881E+03
11.7	-5.4495E+03	-4.4205E+03	-5.1590E+03	-4.3230E+03
11.8	-5.7914E+03	-5.0362E+03	-5.4803E+03	-4.9197E+03
11.9	-6.1424E+03	-5.7222E+03	-5.8095E+03	-5.5844E+03
12.0	-6.5006E+03	-6.4855E+03	-6.1450E+03	-6.3238E+03
12.1	-6.8639E+03	-7.3336E+03	-6.4844E+03	-7.1451E+03
12.2	-7.2295E+03	-8.2747E+03	-6.8252E+03	-8.0562E+03
12.3	-7.5943E+03	-9.3176E+03	-7.1640E+03	-9.0656E+03
12.4	-7.9544E+03	-1.0472E+04	-7.4972E+03	-1.0183E+04
12.5	-8.3051E+03	-1.1748E+04	-7.8201E+03	-1.1417E+04
12.6	-8.6412E+03	-1.3156E+04	-8.1274E+03	-1.2780E+04
12.7	-8.9561E+03	-1.4710E+04	-8.4129E+03	-1.4282E+04
12.8	-9.2427E+03	-1.6420E+04	-8.6693E+03	-1.5936E+04
12.9	-9.4923E+03	-1.8302E+04	-8.8883E+03	-1.7756E+04
13.0	-9.6951E+03	-2.0370E+04	-9.0601E+03	-1.9755E+04
13.1	-9.8397E+03	-2.2640E+04	-9.1736E+03	-2.1948E+04
13.2	-9.9132E+03	-2.5129E+04	-9.2161E+03	-2.4353E+04
13.3	-9.9006E+03	-2.7854E+04	-9.1730E+03	-2.6986E+04
13.4	-9.7851E+03	-3.0834E+04	-9.0277E+03	-2.9866E+04
13.5	-9.5475E+03	-3.4091E+04	-8.7613E+03	-3.3011E+04
13.6	-9.1659E+03	-3.7645E+04	-8.3527E+03	-3.6444E+04
13.7	-8.6157E+03	-4.1519E+04	-7.7775E+03	-4.0185E+04
13.8	-7.8689E+03	-4.5738E+04	-7.0086E+03	-4.4257E+04
13.9	-6.8944E+03	-5.0325E+04	-6.0154E+03	-4.8686E+04
14.0	-5.6567E+03	-5.5308E+04	-4.7632E+03	-5.3495E+04
14.1	-4.1163E+03	-6.0714E+04	-3.2135E+03	-5.8712E+04
14.2	-2.2289E+03	-6.6572E+04	-1.3229E+03	-6.4364E+04
14.3	5.5268E+01	-7.2911E+04	9.5709E+02	-7.0479E+04
14.4	2.7916E+03	-7.9762E+04	3.6806E+03	-7.7087E+04
14.5	6.0418E+03	-8.7158E+04	6.9079E+03	-8.4218E+04
14.6	9.8749E+03	-9.5129E+04	1.0706E+04	-9.1903E+04
14.7	1.4367E+04	-1.0371E+05	1.5151E+04	-1.0017E+05
14.8	1.9604E+04	-1.1293E+05	2.0324E+04	-1.0906E+05
14.9	2.5680E+04	-1.2283E+05	2.6317E+04	-1.1859E+05
15.0	3.2699E+04	-1.3343E+05	3.3234E+04	-1.2880E+05

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	3.2699E+04	-1.3343E+05	3.3234E+04	-1.2880E+05
15.1	4.0777E+04	-1.4477E+05	4.1186E+04	-1.3972E+05
15.2	5.0042E+04	-1.5688E+05	5.0298E+04	-1.5138E+05
15.3	6.0635E+04	-1.6979E+05	6.0708E+04	-1.6380E+05
15.4	7.2710E+04	-1.8352E+05	7.2568E+04	-1.7701E+05
15.5	8.6441E+04	-1.9810E+05	8.6043E+04	-1.9103E+05
15.6	1.0201E+05	-2.1354E+05	1.0132E+05	-2.0587E+05
15.7	1.1964E+05	-2.2986E+05	1.1859E+05	-2.2154E+05
15.8	1.3954E+05	-2.4707E+05	1.3809E+05	-2.3806E+05
15.9	1.6196E+05	-2.6515E+05	1.6005E+05	-2.5542E+05
16.0	1.8718E+05	-2.8411E+05	1.8475E+05	-2.7360E+05
16.1	2.1550E+05	-3.0393E+05	2.1246E+05	-2.9258E+05
16.2	2.4724E+05	-3.2455E+05	2.4351E+05	-3.1233E+05
16.3	2.8275E+05	-3.4595E+05	2.7824E+05	-3.3279E+05
16.4	3.2243E+05	-3.6804E+05	3.1703E+05	-3.5389E+05
16.5	3.6669E+05	-3.9074E+05	3.6029E+05	-3.7555E+05
16.6	4.1599E+05	-4.1393E+05	4.0846E+05	-3.9765E+05
16.7	4.7083E+05	-4.3748E+05	4.6203E+05	-4.2005E+05
16.8	5.3174E+05	-4.6121E+05	5.2152E+05	-4.4257E+05
16.9	5.9932E+05	-4.8490E+05	5.8750E+05	-4.6501E+05
17.0	6.7418E+05	-5.0832E+05	6.6058E+05	-4.8711E+05
17.1	7.5702E+05	-5.3116E+05	7.4144E+05	-5.0858E+05
17.2	8.4857E+05	-5.5306E+05	8.3077E+05	-5.2908E+05
17.3	9.4962E+05	-5.7361E+05	9.2935E+05	-5.4818E+05
17.4	1.0610E+06	-5.9234E+05	1.0380E+06	-5.6541E+05
17.5	1.1837E+06	-6.0867E+05	1.1577E+06	-5.8023E+05
17.6	1.3186E+06	-6.2196E+05	1.2892E+06	-5.9198E+05
17.7	1.4668E+06	-6.3147E+05	1.4337E+06	-5.9993E+05
17.8	1.6295E+06	-6.3634E+05	1.5923E+06	-6.0324E+05
17.9	1.8078E+06	-6.3558E+05	1.7660E+06	-6.0093E+05
18.0	2.0029E+06	-6.2808E+05	1.9562E+06	-5.9192E+05
18.1	2.2164E+06	-6.1256E+05	2.1641E+06	-5.7494E+05
18.2	2.4495E+06	-5.8758E+05	2.3912E+06	-5.4858E+05
18.3	2.7038E+06	-5.5151E+05	2.6389E+06	-5.1122E+05
18.4	2.9809E+06	-5.0250E+05	2.9088E+06	-4.6105E+05
18.5	3.2826E+06	-4.3845E+05	3.2024E+06	-3.9602E+05
18.6	3.6105E+06	-3.5704E+05	3.5216E+06	-3.1381E+05
18.7	3.9665E+06	-2.5561E+05	3.8682E+06	-2.1185E+05
18.8	4.3526E+06	-1.3121E+05	4.2438E+06	-8.7237E+04
18.9	4.7708E+06	1.9458E+04	4.6507E+06	6.3294E+04
19.0	5.2230E+06	2.0011E+05	5.0906E+06	2.4337E+05
19.1	5.7116E+06	4.1487E+05	5.5657E+06	4.5704E+05
19.2	6.2385E+06	6.6834E+05	6.0781E+06	7.0884E+05
19.3	6.8061E+06	9.6565E+05	6.6298E+06	1.0038E+06
19.4	7.4166E+06	1.3125E+06	7.2231E+06	1.3474E+06
19.5	8.0722E+06	1.7152E+06	7.8602E+06	1.7460E+06
19.6	8.7751E+06	2.1808E+06	8.5430E+06	2.2065E+06
19.7	9.5275E+06	2.7170E+06	9.2737E+06	2.7363E+06
19.8	1.0331E+07	3.3324E+06	1.0054E+07	3.3440E+06
19.9	1.1189E+07	4.0365E+06	1.0886E+07	4.0388E+06
20.0	1.2102E+07	4.8398E+06	1.1772E+07	4.8310E+06

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	1.0016E+00	1.9167E-03	4.5332E-02	2.1191E-02
0.2	1.0064E+00	7.6851E-03	9.0760E-02	4.2745E-02
0.3	1.0144E+00	1.7361E-02	1.3638E-01	6.5028E-02
0.4	1.0256E+00	3.1037E-02	1.8228E-01	8.8409E-02
0.5	1.0400E+00	4.8843E-02	2.2855E-01	1.1327E-01
0.6	1.0575E+00	7.0948E-02	2.7527E-01	1.3999E-01
0.7	1.0780E+00	9.7560E-02	3.2250E-01	1.6898E-01
0.8	1.1016E+00	1.2893E-01	3.7030E-01	2.0066E-01
0.9	1.1282E+00	1.6533E-01	4.1872E-01	2.3545E-01
1.0	1.1576E+00	2.0711E-01	4.6778E-01	2.7382E-01
1.1	1.1898E+00	2.5464E-01	5.1749E-01	3.1624E-01
1.2	1.2246E+00	3.0832E-01	5.6782E-01	3.6321E-01
1.3	1.2620E+00	3.6863E-01	6.1875E-01	4.1528E-01
1.4	1.3016E+00	4.3607E-01	6.7019E-01	4.7300E-01
1.5	1.3434E+00	5.1121E-01	7.2204E-01	5.3697E-01
1.6	1.3870E+00	5.9465E-01	7.7416E-01	6.0783E-01
1.7	1.4322E+00	6.8705E-01	8.2635E-01	6.8625E-01
1.8	1.4787E+00	7.8913E-01	8.7839E-01	7.7294E-01
1.9	1.5260E+00	9.0166E-01	9.2997E-01	8.6865E-01
2.0	1.5737E+00	1.0255E+00	9.8076E-01	9.7419E-01
2.1	1.6212E+00	1.1614E+00	1.0303E+00	1.0904E+00
2.2	1.6680E+00	1.3105E+00	1.0781E+00	1.2182E+00
2.3	1.7134E+00	1.4737E+00	1.1237E+00	1.3585E+00
2.4	1.7566E+00	1.6521E+00	1.1662E+00	1.5124E+00
2.5	1.7967E+00	1.8468E+00	1.2050E+00	1.6808E+00
2.6	1.8326E+00	2.0590E+00	1.2391E+00	1.8649E+00
2.7	1.8632E+00	2.2900E+00	1.2674E+00	2.0659E+00
2.8	1.8873E+00	2.5411E+00	1.2889E+00	2.2849E+00
2.9	1.9032E+00	2.8136E+00	1.3022E+00	2.5232E+00
3.0	1.9094E+00	3.1090E+00	1.3057E+00	2.7822E+00
3.1	1.9041E+00	3.4288E+00	1.2979E+00	3.0631E+00
3.2	1.8851E+00	3.7744E+00	1.2767E+00	3.3675E+00
3.3	1.8500E+00	4.1476E+00	1.2400E+00	3.6966E+00
3.4	1.7965E+00	4.5499E+00	1.1854E+00	4.0521E+00
3.5	1.7214E+00	4.9828E+00	1.1104E+00	4.4353E+00
3.6	1.6217E+00	5.4482E+00	1.0118E+00	4.8478E+00
3.7	1.4938E+00	5.9476E+00	8.8646E-01	5.2911E+00
3.8	1.3338E+00	6.4828E+00	7.3067E-01	5.7667E+00
3.9	1.1373E+00	7.0552E+00	5.4040E-01	6.2759E+00
4.0	8.9961E-01	7.6665E+00	3.1121E-01	6.8203E+00
4.1	6.1542E-01	8.3182E+00	3.8190E-02	7.4010E+00
4.2	2.7896E-01	9.0117E+00	-2.8407E-01	8.0194E+00
4.3	-1.1612E-01	9.7482E+00	-6.6149E-01	8.6765E+00
4.4	-5.7674E-01	1.0529E+01	-1.1006E+00	9.3733E+00
4.5	-1.1105E+00	1.1354E+01	-1.6084E+00	1.0110E+01
4.6	-1.7257E+00	1.2226E+01	-2.1928E+00	1.0888E+01
4.7	-2.4315E+00	1.3143E+01	-2.8622E+00	1.1707E+01
4.8	-3.2375E+00	1.4106E+01	-3.6258E+00	1.2567E+01
4.9	-4.1546E+00	1.5114E+01	-4.4937E+00	1.3466E+01
5.0	-5.1943E+00	1.6166E+01	-5.4767E+00	1.4405E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-5.1943E+00	1.6166E+01	-5.4767E+00	1.4405E+01
5.1	-6.3692E+00	1.7261E+01	-6.5867E+00	1.5381E+01
5.2	-7.6930E+00	1.8397E+01	-7.8363E+00	1.6391E+01
5.3	-9.1802E+00	1.9569E+01	-9.2395E+00	1.7434E+01
5.4	-1.0847E+01	2.0774E+01	-1.0811E+01	1.8503E+01
5.5	-1.2710E+01	2.2007E+01	-1.2567E+01	1.9595E+01
5.6	-1.4787E+01	2.3262E+01	-1.4524E+01	2.0703E+01
5.7	-1.7099E+01	2.4530E+01	-1.6701E+01	2.1820E+01
5.8	-1.9666E+01	2.5802E+01	-1.9117E+01	2.2935E+01
5.9	-2.2510E+01	2.7067E+01	-2.1794E+01	2.4039E+01
6.0	-2.5656E+01	2.8312E+01	-2.4754E+01	2.5119E+01
6.1	-2.9129E+01	2.9522E+01	-2.8021E+01	2.6160E+01
6.2	-3.2956E+01	3.0679E+01	-3.1620E+01	2.7145E+01
6.3	-3.7165E+01	3.1763E+01	-3.5577E+01	2.8053E+01
6.4	-4.1786E+01	3.2749E+01	-3.9921E+01	2.8862E+01
6.5	-4.6851E+01	3.3610E+01	-4.4682E+01	2.9546E+01
6.6	-5.2394E+01	3.4316E+01	-4.9890E+01	3.0074E+01
6.7	-5.8448E+01	3.4832E+01	-5.5578E+01	3.0414E+01
6.8	-6.5051E+01	3.5118E+01	-6.1781E+01	3.0526E+01
6.9	-7.2240E+01	3.5128E+01	-6.8533E+01	3.0368E+01
7.0	-8.0053E+01	3.4812E+01	-7.5870E+01	2.9890E+01
7.1	-8.8532E+01	3.4113E+01	-8.3831E+01	2.9038E+01
7.2	-9.7717E+01	3.2967E+01	-9.2452E+01	2.7751E+01
7.3	-1.0765E+02	3.1303E+01	-1.0177E+02	2.5960E+01
7.4	-1.1837E+02	2.9042E+01	-1.1184E+02	2.3588E+01
7.5	-1.2993E+02	2.6095E+01	-1.2268E+02	2.0551E+01
7.6	-1.4236E+02	2.2364E+01	-1.3433E+02	1.6755E+01
7.7	-1.5571E+02	1.7740E+01	-1.4685E+02	1.2095E+01
7.8	-1.7001E+02	1.2102E+01	-1.6026E+02	6.4547E+00
7.9	-1.8531E+02	5.3177E+00	-1.7459E+02	-2.9213E+01
8.0	-2.0165E+02	-2.7593E+00	-1.8989E+02	-8.2865E+00
8.1	-2.1904E+02	-1.2290E+01	-2.0617E+02	-1.7683E+01
8.2	-2.3753E+02	-2.3453E+01	-2.2347E+02	-2.8651E+01
8.3	-2.5713E+02	-3.6440E+01	-2.4180E+02	-4.1377E+01
8.4	-2.7787E+02	-5.1464E+01	-2.6117E+02	-5.6064E+01
8.5	-2.9974E+02	-6.8758E+01	-2.8160E+02	-7.2934E+01
8.6	-3.2274E+02	-8.8574E+01	-3.0306E+02	-9.2230E+01
8.7	-3.4687E+02	-1.1119E+02	-3.2555E+02	-1.1422E+02
8.8	-3.7209E+02	-1.3690E+02	-3.4904E+02	-1.3918E+02
8.9	-3.9835E+02	-1.6603E+02	-3.7348E+02	-1.6742E+02
9.0	-4.2561E+02	-1.9894E+02	-3.9880E+02	-1.9930E+02
9.1	-4.5376E+02	-2.3599E+02	-4.2491E+02	-2.3516E+02
9.2	-4.8271E+02	-2.7762E+02	-4.5172E+02	-2.7539E+02
9.3	-5.1232E+02	-3.2425E+02	-4.7908E+02	-3.2044E+02
9.4	-5.4240E+02	-3.7636E+02	-5.0681E+02	-3.7074E+02
9.5	-5.7277E+02	-4.3446E+02	-5.3472E+02	-4.2678E+02
9.6	-6.0316E+02	-4.9910E+02	-5.6256E+02	-4.8910E+02
9.7	-6.3329E+02	-5.7086E+02	-5.9004E+02	-5.5823E+02
9.8	-6.6281E+02	-6.5037E+02	-6.1681E+02	-6.3479E+02
9.9	-6.9130E+02	-7.3829E+02	-6.4248E+02	-7.1941E+02
10.0	-7.1829E+02	-8.3532E+02	-6.6657E+02	-8.1275E+02

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	-7.1829E+02	-8.3532E+02	-6.6657E+02	-8.1275E+02
10.1	-7.4323E+02	-9.4221E+02	-6.8855E+02	-9.1552E+02
10.2	-7.6548E+02	-1.0597E+03	-7.0779E+02	-1.0285E+03
10.3	-7.8433E+02	-1.1887E+03	-7.2360E+02	-1.1524E+03
10.4	-7.9894E+02	-1.3301E+03	-7.3515E+02	-1.2882E+03
10.5	-8.0837E+02	-1.4847E+03	-7.4153E+02	-1.4366E+03
10.6	-8.1155E+02	-1.6535E+03	-7.4169E+02	-1.5985E+03
10.7	-8.0727E+02	-1.8375E+03	-7.3446E+02	-1.7750E+03
10.8	-7.9417E+02	-2.0376E+03	-7.1851E+02	-1.9670E+03
10.9	-7.7071E+02	-2.2551E+03	-6.9235E+02	-2.1754E+03
11.0	-7.3519E+02	-2.4908E+03	-6.5432E+02	-2.4013E+03
11.1	-6.8567E+02	-2.7460E+03	-6.0253E+02	-2.6457E+03
11.2	-6.2002E+02	-3.0217E+03	-5.3491E+02	-2.9097E+03
11.3	-5.3586E+02	-3.3190E+03	-4.4914E+02	-3.1942E+03
11.4	-4.3052E+02	-3.6390E+03	-3.4265E+02	-3.5004E+03
11.5	-3.0107E+02	-3.9828E+03	-2.1258E+02	-3.8292E+03
11.6	-1.4426E+02	-4.3514E+03	-5.5780E+01	-4.1815E+03
11.7	4.3511E+01	-4.7458E+03	1.3125E+02	-4.5583E+03
11.8	2.6620E+02	-5.1668E+03	3.5234E+02	-4.9604E+03
11.9	5.2817E+02	-5.6154E+03	6.1172E+02	-5.3885E+03
12.0	8.3421E+02	-6.0921E+03	9.1404E+02	-5.8432E+03
12.1	1.1896E+03	-6.5974E+03	1.2644E+03	-6.3250E+03
12.2	1.6000E+03	-7.1317E+03	1.6683E+03	-6.8340E+03
12.3	2.0718E+03	-7.6951E+03	2.1320E+03	-7.3704E+03
12.4	2.6118E+03	-8.2874E+03	2.6619E+03	-7.9337E+03
12.5	3.2275E+03	-8.9080E+03	3.2655E+03	-8.5236E+03
12.6	3.9270E+03	-9.5560E+03	3.9504E+03	-9.1388E+03
12.7	4.7190E+03	-1.0230E+04	4.7252E+03	-9.7781E+03
12.8	5.6133E+03	-1.0928E+04	5.5992E+03	-1.0440E+04
12.9	6.6199E+03	-1.1648E+04	6.5824E+03	-1.1120E+04
13.0	7.7502E+03	-1.2386E+04	7.6854E+03	-1.1818E+04
13.1	9.0160E+03	-1.3139E+04	8.9199E+03	-1.2527E+04
13.2	1.0430E+04	-1.3901E+04	1.0298E+04	-1.3244E+04
13.3	1.2007E+04	-1.4667E+04	1.1834E+04	-1.3963E+04
13.4	1.3761E+04	-1.5429E+04	1.3541E+04	-1.4675E+04
13.5	1.5707E+04	-1.6180E+04	1.5436E+04	-1.5374E+04
13.6	1.7864E+04	-1.6908E+04	1.7533E+04	-1.6049E+04
13.7	2.0248E+04	-1.7603E+04	1.9851E+04	-1.6689E+04
13.8	2.2879E+04	-1.8250E+04	2.2408E+04	-1.7280E+04
13.9	2.5777E+04	-1.8835E+04	2.5223E+04	-1.7807E+04
14.0	2.8963E+04	-1.9340E+04	2.8316E+04	-1.8253E+04
14.1	3.2460E+04	-1.9743E+04	3.1710E+04	-1.8597E+04
14.2	3.6291E+04	-2.0022E+04	3.5427E+04	-1.8816E+04
14.3	4.0480E+04	-2.0150E+04	3.9490E+04	-1.8884E+04
14.4	4.5054E+04	-2.0097E+04	4.3923E+04	-1.8772E+04
14.5	5.0038E+04	-1.9828E+04	4.8753E+04	-1.8446E+04
14.6	5.5459E+04	-1.9306E+04	5.4006E+04	-1.7869E+04
14.7	6.1347E+04	-1.8487E+04	5.9707E+04	-1.6999E+04
14.8	6.7728E+04	-1.7324E+04	6.5885E+04	-1.5787E+04
14.9	7.4633E+04	-1.5761E+04	7.2567E+04	-1.4182E+04
15.0	8.2090E+04	-1.3739E+04	7.9780E+04	-1.2125E+04

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	8.2090E+04	-1.3739E+04	7.9780E+04	-1.2125E+04
15.1	9.0129E+04	-1.1192E+04	8.7553E+04	-9.5493E+03
15.2	9.8777E+04	-8.0440E+03	9.5912E+04	-6.3834E+03
15.3	1.0806E+05	-4.2132E+03	1.0488E+05	-2.5462E+03
15.4	1.1801E+05	3.9159E+02	1.1449E+05	2.0512E+03
15.5	1.2865E+05	5.8712E+03	1.2476E+05	7.5073E+03
15.6	1.4000E+05	1.2337E+04	1.3571E+05	1.3930E+04
15.7	1.5208E+05	1.9910E+04	1.4736E+05	2.1440E+04
15.8	1.6490E+05	2.8725E+04	1.5972E+05	3.0166E+04
15.9	1.7848E+05	3.8929E+04	1.7280E+05	4.0253E+04
16.0	1.9282E+05	5.0683E+04	1.8661E+05	5.1857E+04
16.1	2.0792E+05	6.4163E+04	2.0114E+05	6.5149E+04
16.2	2.2377E+05	7.9560E+04	2.1637E+05	8.0317E+04
16.3	2.4034E+05	9.7082E+04	2.3229E+05	9.7563E+04
16.4	2.5762E+05	1.1696E+05	2.4887E+05	1.1711E+05
16.5	2.7554E+05	1.3943E+05	2.6605E+05	1.3919E+05
16.6	2.9405E+05	1.6477E+05	2.8378E+05	1.6407E+05
16.7	3.1308E+05	1.9326E+05	3.0198E+05	1.9203E+05
16.8	3.3252E+05	2.2521E+05	3.2054E+05	2.2337E+05
16.9	3.5226E+05	2.6095E+05	3.3935E+05	2.5841E+05
17.0	3.7214E+05	3.0085E+05	3.5826E+05	2.9751E+05
17.1	3.9199E+05	3.4529E+05	3.7710E+05	3.4103E+05
17.2	4.1159E+05	3.9469E+05	3.9564E+05	3.8938E+05
17.3	4.3070E+05	4.4947E+05	4.1365E+05	4.4298E+05
17.4	4.4902E+05	5.1010E+05	4.3084E+05	5.0229E+05
17.5	4.6622E+05	5.7710E+05	4.4686E+05	5.6779E+05
17.6	4.8189E+05	6.5097E+05	4.6132E+05	6.3999E+05
17.7	4.9558E+05	7.3229E+05	4.7378E+05	7.1943E+05
17.8	5.0677E+05	8.2162E+05	4.8372E+05	8.0667E+05
17.9	5.1486E+05	9.1960E+05	4.9054E+05	9.0233E+05
18.0	5.1918E+05	1.0269E+06	4.9359E+05	1.0070E+06
18.1	5.1894E+05	1.1441E+06	4.9210E+05	1.1214E+06
18.2	5.1328E+05	1.2720E+06	4.8521E+05	1.2461E+06
18.3	5.0122E+05	1.4112E+06	4.7196E+05	1.3819E+06
18.4	4.8164E+05	1.5626E+06	4.5124E+05	1.5294E+06
18.5	4.5331E+05	1.7268E+06	4.2185E+05	1.6894E+06
18.6	4.1482E+05	1.9047E+06	3.8241E+05	1.8627E+06
18.7	3.6463E+05	2.0970E+06	3.3140E+05	2.0500E+06
18.8	3.0101E+05	2.3046E+06	2.6711E+05	2.2520E+06
18.9	2.2203E+05	2.5281E+06	1.8767E+05	2.4694E+06
19.0	1.2556E+05	2.7683E+06	9.0957E+04	2.7031E+06
19.1	9.2161E+03	3.0259E+06	-2.5333E+04	2.9536E+06
19.2	-1.2960E+05	3.3017E+06	-1.6377E+05	3.2216E+06
19.3	-2.9378E+05	3.5963E+06	-3.2718E+05	3.5077E+06
19.4	-4.8650E+05	3.9101E+06	-5.1869E+05	3.8124E+06
19.5	-7.1126E+05	4.2436E+06	-7.4171E+05	4.1362E+06
19.6	-9.7189E+05	4.5972E+06	-1.0000E+06	4.4792E+06
19.7	-1.2726E+06	4.9710E+06	-1.2977E+06	4.8416E+06
19.8	-1.6179E+06	5.3651E+06	-1.6392E+06	5.2235E+06
19.9	-2.0130E+06	5.7792E+06	-2.0296E+06	5.6245E+06
20.0	-2.4631E+06	6.2128E+06	-2.4740E+06	6.0441E+06

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	1.0012E+00	2.1664E-03	4.3301E-02	2.5063E-02
0.2	1.0050E+00	8.6819E-03	8.6602E-02	5.0500E-02
0.3	1.0112E+00	1.9595E-02	1.2990E-01	7.6691E-02
0.4	1.0198E+00	3.4987E-02	1.7318E-01	1.0401E-01
0.5	1.0308E+00	5.4972E-02	2.1644E-01	1.3285E-01
0.6	1.0440E+00	7.9696E-02	2.5963E-01	1.6360E-01
0.7	1.0593E+00	1.0934E-01	3.0273E-01	1.9665E-01
0.8	1.0767E+00	1.4411E-01	3.4566E-01	2.3242E-01
0.9	1.0959E+00	1.8425E-01	3.8836E-01	2.7132E-01
1.0	1.1168E+00	2.3003E-01	4.3071E-01	3.1377E-01
1.1	1.1390E+00	2.8177E-01	4.7259E-01	3.6023E-01
1.2	1.1625E+00	3.3980E-01	5.1384E-01	4.1114E-01
1.3	1.1868E+00	4.0449E-01	5.5425E-01	4.6697E-01
1.4	1.2117E+00	4.7625E-01	5.9359E-01	5.2820E-01
1.5	1.2367E+00	5.5549E-01	6.3159E-01	5.9534E-01
1.6	1.2614E+00	6.4268E-01	6.6791E-01	6.6888E-01
1.7	1.2853E+00	7.3830E-01	7.0217E-01	7.4936E-01
1.8	1.3079E+00	8.4286E-01	7.3393E-01	8.3731E-01
1.9	1.3285E+00	9.5690E-01	7.6269E-01	9.3328E-01
2.0	1.3464E+00	1.0810E+00	7.8785E-01	1.0378E+00
2.1	1.3609E+00	1.2156E+00	8.0877E-01	1.1516E+00
2.2	1.3710E+00	1.3615E+00	8.2471E-01	1.2750E+00
2.3	1.3759E+00	1.5191E+00	8.3482E-01	1.4088E+00
2.4	1.3744E+00	1.6892E+00	8.3818E-01	1.5534E+00
2.5	1.3653E+00	1.8722E+00	8.3373E-01	1.7095E+00
2.6	1.3474E+00	2.0689E+00	8.2032E-01	1.8776E+00
2.7	1.3191E+00	2.2797E+00	7.9666E-01	2.0583E+00
2.8	1.2790E+00	2.5052E+00	7.6132E-01	2.2521E+00
2.9	1.2252E+00	2.7460E+00	7.1273E-01	2.4594E+00
3.0	1.1558E+00	3.0026E+00	6.4916E-01	2.6808E+00
3.1	1.0688E+00	3.2754E+00	5.6872E-01	2.9165E+00
3.2	9.6186E-01	3.5648E+00	4.6933E-01	3.1669E+00
3.3	8.3253E-01	3.8709E+00	3.4872E-01	3.4322E+00
3.4	6.7810E-01	4.1942E+00	2.0444E-01	3.7126E+00
3.5	4.9566E-01	4.5344E+00	3.3804E-02	4.0081E+00
3.6	2.8206E-01	4.8917E+00	-1.6609E-01	4.3185E+00
3.7	3.3870E-02	5.2657E+00	-3.9837E-01	4.6435E+00
3.8	-2.5256E-01	5.6559E+00	-6.6643E-01	4.9827E+00
3.9	-5.8119E-01	6.0618E+00	-9.7389E-01	5.3354E+00
4.0	-9.5624E-01	6.4823E+00	-1.3247E+00	5.7006E+00
4.1	-1.3822E+00	6.9162E+00	-1.7230E+00	6.0770E+00
4.2	-1.8640E+00	7.3620E+00	-2.1732E+00	6.4632E+00
4.3	-2.4067E+00	7.8177E+00	-2.6802E+00	6.8573E+00
4.4	-3.0159E+00	8.2808E+00	-3.2489E+00	7.2568E+00
4.5	-3.6971E+00	8.7487E+00	-3.8848E+00	7.6591E+00
4.6	-4.4567E+00	9.2177E+00	-4.5934E+00	8.0608E+00
4.7	-5.3010E+00	9.6841E+00	-5.3808E+00	8.4581E+00
4.8	-6.2368E+00	1.0143E+01	-6.2531E+00	8.8465E+00
4.9	-7.2712E+00	1.0589E+01	-7.2170E+00	9.2208E+00
5.0	-8.4114E+00	1.1016E+01	-8.2792E+00	9.5750E+00

R	RE(10)	IM(10)	RE(11)	IM(11)
5.0	-8.4114E+00	1.1016E+01	-8.2792E+00	9.5750E+00
5.1	-9.6653E+00	1.1417E+01	-9.4467E+00	9.9023E+00
5.2	-1.1041E+01	1.1784E+01	-1.0727E+01	1.0195E+01
5.3	-1.2545E+01	1.2107E+01	-1.2127E+01	1.0444E+01
5.4	-1.4188E+01	1.2376E+01	-1.3656E+01	1.0640E+01
5.5	-1.5977E+01	1.2580E+01	-1.5319E+01	1.0771E+01
5.6	-1.7922E+01	1.2705E+01	-1.7126E+01	1.0825E+01
5.7	-2.0029E+01	1.2737E+01	-1.9085E+01	1.0788E+01
5.8	-2.2309E+01	1.2660E+01	-2.1202E+01	1.0644E+01
5.9	-2.4769E+01	1.2454E+01	-2.3486E+01	1.0376E+01
6.0	-2.7417E+01	1.2101E+01	-2.5944E+01	9.9659E+00
6.1	-3.0261E+01	1.1578E+01	-2.8583E+01	9.3912E+00
6.2	-3.3309E+01	1.0861E+01	-3.1408E+01	8.6291E+00
6.3	-3.6566E+01	9.9227E+00	-3.4426E+01	7.6542E+00
6.4	-4.0039E+01	8.7339E+00	-3.7642E+01	6.4384E+00
6.5	-4.3731E+01	7.2624E+00	-4.1060E+01	4.9512E+00
6.6	-4.7647E+01	5.4733E+00	-4.4680E+01	3.1592E+00
6.7	-5.1786E+01	3.3283E+00	-4.8506E+01	1.0262E+00
6.8	-5.6150E+01	7.8611E-01	-5.2534E+01	-1.4872E+00
6.9	-6.0736E+01	-2.1982E+00	-5.6763E+01	-4.4237E+00
7.0	-6.5537E+01	-5.6732E+00	-6.1186E+01	-7.8292E+00
7.1	-7.0547E+01	-9.6910E+00	-6.5796E+01	-1.1753E+01
7.2	-7.5754E+01	-1.4308E+01	-7.0578E+01	-1.6250E+01
7.3	-8.1141E+01	-1.9584E+01	-7.5519E+01	-2.1375E+01
7.4	-8.6689E+01	-2.5584E+01	-8.0597E+01	-2.7191E+01
7.5	-9.2372E+01	-3.2377E+01	-8.5788E+01	-3.3763E+01
7.6	-9.8160E+01	-4.0036E+01	-9.1060E+01	-4.1160E+01
7.7	-1.0401E+02	-4.8639E+01	-9.6376E+01	-4.9456E+01
7.8	-1.0989E+02	-5.8268E+01	-1.0169E+02	-5.8728E+01
7.9	-1.1574E+02	-6.9010E+01	-1.0696E+02	-6.9059E+01
8.0	-1.2149E+02	-8.0956E+01	-1.1211E+02	-8.0536E+01
8.1	-1.2707E+02	-9.4203E+01	-1.1708E+02	-9.3248E+01
8.2	-1.3241E+02	-1.0885E+02	-1.2178E+02	-1.0729E+02
8.3	-1.3740E+02	-1.2500E+02	-1.2612E+02	-1.2276E+02
8.4	-1.4194E+02	-1.4276E+02	-1.3000E+02	-1.3976E+02
8.5	-1.4590E+02	-1.6224E+02	-1.3329E+02	-1.5839E+02
8.6	-1.4914E+02	-1.8356E+02	-1.3586E+02	-1.7876E+02
8.7	-1.5150E+02	-2.0683E+02	-1.3755E+02	-2.0097E+02
8.8	-1.5281E+02	-2.3216E+02	-1.3820E+02	-2.2515E+02
8.9	-1.5285E+02	-2.5968E+02	-1.3760E+02	-2.5139E+02
9.0	-1.5142E+02	-2.8950E+02	-1.3554E+02	-2.7980E+02
9.1	-1.4826E+02	-3.2174E+02	-1.3178E+02	-3.1049E+02
9.2	-1.4310E+02	-3.5650E+02	-1.2605E+02	-3.4356E+02
9.3	-1.3563E+02	-3.9388E+02	-1.1807E+02	-3.7911E+02
9.4	-1.2552E+02	-4.3400E+02	-1.0750E+02	-4.1722E+02
9.5	-1.1240E+02	-4.7693E+02	-9.3999E+01	-4.5798E+02
9.6	-9.5864E+01	-5.2274E+02	-7.7164E+01	-5.0144E+02
9.7	-7.5467E+01	-5.7151E+02	-5.6572E+01	-5.4767E+02
9.8	-5.0727E+01	-6.2327E+02	-3.1756E+01	-5.9670E+02
9.9	-2.1115E+01	-6.7804E+02	-2.2063E+00	-6.4852E+02
10.0	1.3942E+01	-7.3581E+02	3.2627E+01	-7.0313E+02

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	1.3942E+01	-7.3581E+02	3.2627E+01	-7.0313E+02
10.1	5.5066E+01	-7.9655E+02	7.3344E+01	-7.6049E+02
10.2	1.0293E+02	-8.6017E+02	1.2059E+02	-8.2050E+02
10.3	1.5825E+02	-9.2655E+02	1.7507E+02	-8.8304E+02
10.4	2.2182E+02	-9.9554E+02	2.3752E+02	-9.4795E+02
10.5	2.9448E+02	-1.0669E+03	3.0875E+02	-1.0150E+03
10.6	3.7711E+02	-1.1404E+03	3.8963E+02	-1.0839E+03
10.7	4.7068E+02	-1.2155E+03	4.8107E+02	-1.1542E+03
10.8	5.7620E+02	-1.2920E+03	5.8405E+02	-1.2256E+03
10.9	6.9477E+02	-1.3692E+03	6.9961E+02	-1.2975E+03
11.0	8.2752E+02	-1.4465E+03	8.2885E+02	-1.3692E+03
11.1	9.7566E+02	-1.5232E+03	9.7292E+02	-1.4401E+03
11.2	1.1405E+03	-1.5984E+03	1.1330E+03	-1.5092E+03
11.3	1.3233E+03	-1.6709E+03	1.3105E+03	-1.5756E+03
11.4	1.5255E+03	-1.7398E+03	1.5066E+03	-1.6380E+03
11.5	1.7485E+03	-1.8035E+03	1.7227E+03	-1.6952E+03
11.6	1.9939E+03	-1.8606E+03	1.9603E+03	-1.7455E+03
11.7	2.2631E+03	-1.9092E+03	2.2208E+03	-1.7873E+03
11.8	2.5578E+03	-1.9474E+03	2.5058E+03	-1.8186E+03
11.9	2.8796E+03	-1.9728E+03	2.8166E+03	-1.8372E+03
12.0	3.2299E+03	-1.9830E+03	3.1550E+03	-1.8406E+03
12.1	3.6106E+03	-1.9751E+03	3.5223E+03	-1.8260E+03
12.2	4.0232E+03	-1.9459E+03	3.9201E+03	-1.7904E+03
12.3	4.4692E+03	-1.8920E+03	4.3500E+03	-1.7302E+03
12.4	4.9501E+03	-1.8093E+03	4.8131E+03	-1.6417E+03
12.5	5.4674E+03	-1.6935E+03	5.3111E+03	-1.5206E+03
12.6	6.0225E+03	-1.5399E+03	5.8449E+03	-1.3623E+03
12.7	6.6164E+03	-1.3431E+03	6.4157E+03	-1.1617E+03
12.8	7.2502E+03	-1.0975E+03	7.0244E+03	-9.1306E+02
12.9	7.9246E+03	-7.9662E+02	7.6717E+03	-6.1034E+02
13.0	8.6401E+03	-4.3363E+02	8.3578E+03	-2.4679E+02
13.1	9.3969E+03	-9.6838E-01	9.0829E+03	1.8490E+02
13.2	1.0195E+04	5.0953E+02	9.8466E+03	6.9266E+02
13.3	1.1033E+04	1.1067E+03	1.0648E+04	1.2851E+03
13.4	1.1910E+04	1.8003E+03	1.1486E+04	1.9715E+03
13.5	1.2824E+04	2.6004E+03	1.2359E+04	2.7620E+03
13.6	1.3773E+04	3.5184E+03	1.3263E+04	3.6672E+03
13.7	1.4754E+04	4.5660E+03	1.4196E+04	4.6987E+03
13.8	1.5761E+04	5.7562E+03	1.5153E+04	5.8691E+03
13.9	1.6789E+04	7.1026E+03	1.6129E+04	7.1913E+03
14.0	1.7833E+04	8.6197E+03	1.7116E+04	8.6796E+03
14.1	1.8883E+04	1.0323E+04	1.8108E+04	1.0349E+04
14.2	1.9931E+04	1.2229E+04	1.9095E+04	1.2214E+04
14.3	2.0965E+04	1.4354E+04	2.0065E+04	1.4293E+04
14.4	2.1972E+04	1.6717E+04	2.1005E+04	1.6603E+04
14.5	2.2937E+04	1.9337E+04	2.1901E+04	1.9162E+04
14.6	2.3843E+04	2.2233E+04	2.2736E+04	2.1988E+04
14.7	2.4669E+04	2.5426E+04	2.3489E+04	2.5102E+04
14.8	2.5393E+04	2.8937E+04	2.4139E+04	2.8524E+04
14.9	2.5989E+04	3.2787E+04	2.4659E+04	3.2275E+04
15.0	2.6426E+04	3.7000E+04	2.5020E+04	3.6376E+04

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	2.6426E+04	3.7000E+04	2.5020E+04	3.6376E+04
15.1	2.6673E+04	4.1598E+04	2.5191E+04	4.0849E+04
15.2	2.6692E+04	4.6602E+04	2.5134E+04	4.5715E+04
15.3	2.6440E+04	5.2036E+04	2.4809E+04	5.0995E+04
15.4	2.5873E+04	5.7923E+04	2.4170E+04	5.6712E+04
15.5	2.4937E+04	6.4283E+04	2.3166E+04	6.2885E+04
15.6	2.3577E+04	7.1138E+04	2.1742E+04	6.9535E+04
15.7	2.1728E+04	7.8507E+04	1.9835E+04	7.6679E+04
15.8	1.9320E+04	8.6409E+04	1.7378E+04	8.4334E+04
15.9	1.6277E+04	9.4857E+04	1.4295E+04	9.2514E+04
16.0	1.2515E+04	1.0387E+05	1.0503E+04	1.0123E+05
16.1	7.9413E+03	1.1344E+05	5.9132E+03	1.1049E+05
16.2	2.4551E+03	1.2360E+05	4.2664E+02	1.2030E+05
16.3	-4.0529E+03	1.3432E+05	-6.0634E+03	1.3066E+05
16.4	-1.1702E+04	1.4562E+05	-1.3673E+04	1.4156E+05
16.5	-2.0622E+04	1.5747E+05	-2.2529E+04	1.5298E+05
16.6	-3.0950E+04	1.6985E+05	-3.2766E+04	1.6490E+05
16.7	-4.2839E+04	1.8274E+05	-4.4531E+04	1.7730E+05
16.8	-5.6449E+04	1.9609E+05	-5.7981E+04	1.9013E+05
16.9	-7.1955E+04	2.0985E+05	-7.3285E+04	2.0334E+05
17.0	-8.9541E+04	2.2396E+05	-9.0624E+04	2.1685E+05
17.1	-1.0940E+05	2.3832E+05	-1.1019E+05	2.3059E+05
17.2	-1.3176E+05	2.5284E+05	-1.3219E+05	2.4446E+05
17.3	-1.5682E+05	2.6740E+05	-1.5683E+05	2.5833E+05
17.4	-1.8484E+05	2.8185E+05	-1.8435E+05	2.7205E+05
17.5	-2.1604E+05	2.9603E+05	-2.1500E+05	2.8547E+05
17.6	-2.5071E+05	3.0973E+05	-2.4901E+05	2.9839E+05
17.7	-2.8911E+05	3.2273E+05	-2.8665E+05	3.1058E+05
17.8	-3.3151E+05	3.3476E+05	-3.2821E+05	3.2177E+05
17.9	-3.7823E+05	3.4553E+05	-3.7396E+05	3.3169E+05
18.0	-4.2956E+05	3.5469E+05	-4.2419E+05	3.3997E+05
18.1	-4.8580E+05	3.6186E+05	-4.7922E+05	3.4625E+05
18.2	-5.4729E+05	3.6659E+05	-5.3933E+05	3.5009E+05
18.3	-6.1433E+05	3.6839E+05	-6.0484E+05	3.5100E+05
18.4	-6.8726E+05	3.6670E+05	-6.7607E+05	3.4843E+05
18.5	-7.6638E+05	3.6091E+05	-7.5330E+05	3.4179E+05
18.6	-8.5202E+05	3.5033E+05	-8.3685E+05	3.3037E+05
18.7	-9.4447E+05	3.3418E+05	-9.2701E+05	3.1345E+05
18.8	-1.0440E+06	3.1162E+05	-1.0240E+06	2.9017E+05
18.9	-1.1509E+06	2.8171E+05	-1.1282E+06	2.5961E+05
19.0	-1.2655E+06	2.4341E+05	-1.2397E+06	2.2076E+05
19.1	-1.3878E+06	1.9558E+05	-1.3587E+06	1.7251E+05
19.2	-1.5181E+06	1.3698E+05	-1.4854E+06	1.1363E+05
19.3	-1.6565E+06	6.6244E+04	-1.6199E+06	4.2778E+04
19.4	-1.8029E+06	-1.8116E+04	-1.7622E+06	-4.1494E+04
19.5	-1.9575E+06	-1.1772E+05	-1.9122E+06	-1.4078E+05
19.6	-2.1200E+06	-2.3433E+05	-2.0698E+06	-2.5679E+05
19.7	-2.2902E+06	-3.6983E+05	-2.2347E+06	-3.9139E+05
19.8	-2.4678E+06	-5.2630E+05	-2.4066E+06	-5.4659E+05
19.9	-2.6522E+06	-7.0593E+05	-2.5850E+06	-7.2455E+05
20.0	-2.8428E+06	-9.1111E+05	-2.7692E+06	-9.2760E+05

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	1.0009E+00	2.3502E-03	4.0941E-02	2.8739E-02
0.2	1.0034E+00	9.4130E-03	8.1785E-02	5.7841E-02
0.3	1.0076E+00	2.1224E-02	1.2243E-01	8.7667E-02
0.4	1.0134E+00	3.7844E-02	1.6277E-01	1.1858E-01
0.5	1.0206E+00	5.9355E-02	2.0268E-01	1.5095E-01
0.6	1.0292E+00	8.5864E-02	2.4205E-01	1.8513E-01
0.7	1.0390E+00	1.1750E-01	2.8072E-01	2.2149E-01
0.8	1.0497E+00	1.5441E-01	3.1852E-01	2.6040E-01
0.9	1.0612E+00	1.9676E-01	3.5528E-01	3.0223E-01
1.0	1.0732E+00	2.4474E-01	3.9078E-01	3.4734E-01
1.1	1.0853E+00	2.9856E-01	4.2478E-01	3.9609E-01
1.2	1.0972E+00	3.5844E-01	4.5700E-01	4.4885E-01
1.3	1.1085E+00	4.2460E-01	4.8714E-01	5.0599E-01
1.4	1.1188E+00	4.9730E-01	5.1483E-01	5.6785E-01
1.5	1.1275E+00	5.7678E-01	5.3970E-01	6.3480E-01
1.6	1.1342E+00	6.6330E-01	5.6128E-01	7.0717E-01
1.7	1.1382E+00	7.5711E-01	5.7909E-01	7.8529E-01
1.8	1.1388E+00	8.5846E-01	5.9257E-01	8.6948E-01
1.9	1.1352E+00	9.6761E-01	6.0112E-01	9.6005E-01
2.0	1.1268E+00	1.0848E+00	6.0405E-01	1.0573E+00
2.1	1.1126E+00	1.2102E+00	6.0062E-01	1.1614E+00
2.2	1.0917E+00	1.3440E+00	5.9001E-01	1.2726E+00
2.3	1.0629E+00	1.4864E+00	5.7134E-01	1.3912E+00
2.4	1.0253E+00	1.6375E+00	5.4362E-01	1.5171E+00
2.5	9.7753E-01	1.7973E+00	5.0580E-01	1.6506E+00
2.6	9.1835E-01	1.9659E+00	4.5673E-01	1.7917E+00
2.7	8.4634E-01	2.1432E+00	3.9517E-01	1.9402E+00
2.8	7.6000E-01	2.3291E+00	3.1979E-01	2.0961E+00
2.9	6.5772E-01	2.5232E+00	2.2916E-01	2.2592E+00
3.0	5.3779E-01	2.7253E+00	1.2176E-01	2.4290E+00
3.1	3.9840E-01	2.9350E+00	-4.0456E-03	2.6052E+00
3.2	2.3761E-01	3.1515E+00	-1.4999E-01	2.7873E+00
3.3	5.3387E-02	3.3741E+00	-3.1789E-01	2.9743E+00
3.4	-1.5641E-01	3.6019E+00	-5.0970E-01	3.1656E+00
3.5	-3.9402E-01	3.8338E+00	-7.2743E-01	3.3599E+00
3.6	-6.6181E-01	4.0685E+00	-9.7321E-01	3.5560E+00
3.7	-9.6223E-01	4.3042E+00	-1.2493E+00	3.7524E+00
3.8	-1.2978E+00	4.5393E+00	-1.5579E+00	3.9473E+00
3.9	-1.6712E+00	4.7714E+00	-1.9014E+00	4.1387E+00
4.0	-2.0850E+00	4.9983E+00	-2.2823E+00	4.3243E+00
4.1	-2.5421E+00	5.2171E+00	-2.7031E+00	4.5013E+00
4.2	-3.0451E+00	5.4245E+00	-3.1662E+00	4.6667E+00
4.3	-3.5971E+00	5.6171E+00	-3.6743E+00	4.8172E+00
4.4	-4.2007E+00	5.7908E+00	-4.2299E+00	4.9489E+00
4.5	-4.8587E+00	5.9411E+00	-4.8354E+00	5.0576E+00
4.6	-5.5739E+00	6.0630E+00	-5.4933E+00	5.1384E+00
4.7	-6.3490E+00	6.1508E+00	-6.2060E+00	5.1862E+00
4.8	-7.1864E+00	6.1985E+00	-6.9757E+00	5.1951E+00
4.9	-8.0885E+00	6.1994E+00	-7.8044E+00	5.1586E+00
5.0	-9.0574E+00	6.1458E+00	-8.6940E+00	5.0698E+00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-9.0574E+00	6.1458E+00	-8.6940E+00	5.0698E+00
5.1	-1.0095E+01	6.0298E+00	-9.6460E+00	4.9210E+00
5.2	-1.1203E+01	5.8424E+00	-1.0662E+01	4.7038E+00
5.3	-1.2382E+01	5.5740E+00	-1.1742E+01	4.4090E+00
5.4	-1.3632E+01	5.2141E+00	-1.2886E+01	4.0268E+00
5.5	-1.4955E+01	4.7515E+00	-1.4096E+01	3.5466E+00
5.6	-1.6348E+01	4.1740E+00	-1.5369E+01	2.9568E+00
5.7	-1.7811E+01	3.4684E+00	-1.6703E+01	2.2452E+00
5.8	-1.9341E+01	2.6209E+00	-1.8097E+01	1.3985E+00
5.9	-2.0935E+01	1.6164E+00	-1.9547E+01	4.0276E-01
6.0	-2.2588E+01	4.3902E-01	-2.1048E+01	-7.5702E-01
6.1	-2.4294E+01	-9.2799E-01	-2.2594E+01	-2.0967E+00
6.2	-2.6046E+01	-2.5025E+00	-2.4178E+01	-3.6330E+00
6.3	-2.7835E+01	-4.3032E+00	-2.5791E+01	-5.3834E+00
6.4	-2.9650E+01	-6.3498E+00	-2.7422E+01	-7.3665E+00
6.5	-3.1478E+01	-8.6628E+00	-2.9059E+01	-9.6014E+00
6.6	-3.3304E+01	-1.1264E+01	-3.0686E+01	-1.2108E+01
6.7	-3.5110E+01	-1.4174E+01	-3.2287E+01	-1.4907E+01
6.8	-3.6876E+01	-1.7417E+01	-3.3842E+01	-1.8020E+01
6.9	-3.8579E+01	-2.1016E+01	-3.5327E+01	-2.1468E+01
7.0	-4.0192E+01	-2.4995E+01	-3.6718E+01	-2.5274E+01
7.1	-4.1685E+01	-2.9377E+01	-3.7985E+01	-2.9459E+01
7.2	-4.3024E+01	-3.4187E+01	-3.9096E+01	-3.4046E+01
7.3	-4.4171E+01	-3.9448E+01	-4.0013E+01	-3.9057E+01
7.4	-4.5084E+01	-4.5183E+01	-4.0696E+01	-4.4513E+01
7.5	-4.5715E+01	-5.1416E+01	-4.1100E+01	-5.0435E+01
7.6	-4.6013E+01	-5.8168E+01	-4.1174E+01	-5.6842E+01
7.7	-4.5920E+01	-6.5458E+01	-4.0863E+01	-6.3753E+01
7.8	-4.5372E+01	-7.3306E+01	-4.0105E+01	-7.1183E+01
7.9	-4.4300E+01	-8.1726E+01	-3.8835E+01	-7.9146E+01
8.0	-4.2629E+01	-9.0731E+01	-3.6980E+01	-8.7653E+01
8.1	-4.0275E+01	-1.0033E+02	-3.4459E+01	-9.6711E+01
8.2	-3.7149E+01	-1.1053E+02	-3.1188E+01	-1.0632E+02
8.3	-3.3154E+01	-1.2133E+02	-2.7073E+01	-1.1649E+02
8.4	-2.8185E+01	-1.3272E+02	-2.2014E+01	-1.2719E+02
8.5	-2.2131E+01	-1.4468E+02	-1.5905E+01	-1.3843E+02
8.6	-1.4870E+01	-1.5721E+02	-8.6288E+00	-1.5017E+02
8.7	-6.2737E+00	-1.7026E+02	-6.3659E-02	-1.6238E+02
8.8	3.7948E+00	-1.8381E+02	9.9216E+00	-1.7503E+02
8.9	1.5481E+01	-1.9778E+02	2.1465E+01	-1.8807E+02
9.0	2.8938E+01	-2.1213E+02	3.4714E+01	-2.0141E+02
9.1	4.4328E+01	-2.2677E+02	4.9822E+01	-2.1499E+02
9.2	6.1821E+01	-2.4160E+02	6.6950E+01	-2.2872E+02
9.3	8.1595E+01	-2.5652E+02	8.6268E+01	-2.4247E+02
9.4	1.0383E+02	-2.7138E+02	1.0795E+02	-2.5612E+02
9.5	1.2873E+02	-2.8604E+02	1.3217E+02	-2.6952E+02
9.6	1.5647E+02	-3.0031E+02	1.5913E+02	-2.8248E+02
9.7	1.8727E+02	-3.1399E+02	1.8901E+02	-2.9481E+02
9.8	2.2132E+02	-3.2684E+02	2.2200E+02	-3.0628E+02
9.9	2.5884E+02	-3.3861E+02	2.5830E+02	-3.1663E+02
10.0	3.0003E+02	-3.4898E+02	2.9809E+02	-3.2556E+02

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	3.0003E+02	-3.4898E+02	2.9809E+02	-3.2556E+02
10.1	3.4509E+02	-3.5763E+02	3.4159E+02	-3.3276E+02
10.2	3.9423E+02	-3.6418E+02	3.8895E+02	-3.3785E+02
10.3	4.4764E+02	-3.6822E+02	4.4038E+02	-3.4043E+02
10.4	5.0549E+02	-3.6927E+02	4.9603E+02	-3.4005E+02
10.5	5.6796E+02	-3.6685E+02	5.5607E+02	-3.3623E+02
10.6	6.3521E+02	-3.6037E+02	6.2062E+02	-3.2841E+02
10.7	7.0735E+02	-3.4924E+02	6.8980E+02	-3.1600E+02
10.8	7.8450E+02	-3.3278E+02	7.6370E+02	-2.9835E+02
10.9	8.6671E+02	-3.1026E+02	8.4237E+02	-2.7475E+02
11.0	9.5402E+02	-2.8089E+02	9.2582E+02	-2.4444E+02
11.1	1.0464E+03	-2.4380E+02	1.0140E+03	-2.0660E+02
11.2	1.1438E+03	-1.9809E+02	1.1069E+03	-1.6032E+02
11.3	1.2461E+03	-1.4274E+02	1.2043E+03	-1.0464E+02
11.4	1.3530E+03	-7.6710E+01	1.3060E+03	-3.8550E+01
11.5	1.4644E+03	1.1533E+00	1.4118E+03	3.9058E+01
11.6	1.5797E+03	9.2056E+01	1.5211E+03	1.2935E+02
11.7	1.6986E+03	1.9728E+02	1.6336E+03	2.3355E+02
11.8	1.8203E+03	3.1818E+02	1.7486E+03	3.5297E+02
11.9	1.9443E+03	4.5619E+02	1.8654E+03	4.8898E+02
12.0	2.0695E+03	6.1279E+02	1.9831E+03	6.4302E+02
12.1	2.1950E+03	7.8956E+02	2.1008E+03	8.1658E+02
12.2	2.3196E+03	9.8811E+02	2.2170E+03	1.0112E+03
12.3	2.4417E+03	1.2101E+03	2.3306E+03	1.2285E+03
12.4	2.5599E+03	1.4573E+03	2.4398E+03	1.4701E+03
12.5	2.6721E+03	1.7314E+03	2.5428E+03	1.7378E+03
12.6	2.7764E+03	2.0343E+03	2.6375E+03	2.0331E+03
12.7	2.8702E+03	2.3677E+03	2.7216E+03	2.3578E+03
12.8	2.9508E+03	2.7334E+03	2.7923E+03	2.7137E+03
12.9	3.0153E+03	3.1332E+03	2.8468E+03	3.1023E+03
13.0	3.0601E+03	3.5688E+03	2.8816E+03	3.5253E+03
13.1	3.0816E+03	4.0418E+03	2.8931E+03	3.9843E+03
13.2	3.0756E+03	4.5539E+03	2.8772E+03	4.4806E+03
13.3	3.0374E+03	5.1064E+03	2.8294E+03	5.0157E+03
13.4	2.9620E+03	5.7006E+03	2.7447E+03	5.5906E+03
13.5	2.8438E+03	6.3375E+03	2.6178E+03	6.2062E+03
13.6	2.6768E+03	7.0179E+03	2.4428E+03	6.8633E+03
13.7	2.4544E+03	7.7422E+03	2.2132E+03	7.5622E+03
13.8	2.1694E+03	8.5106E+03	1.9220E+03	8.3028E+03
13.9	1.8141E+03	9.3228E+03	1.5618E+03	9.0848E+03
14.0	1.3802E+03	1.0178E+04	1.1245E+03	9.9072E+03
14.1	8.5876E+02	1.1074E+04	6.0134E+02	1.0768E+04
14.2	2.4015E+02	1.2010E+04	-1.6926E+01	1.1666E+04
14.3	-4.8584E+02	1.2983E+04	-7.4023E+02	1.2598E+04
14.4	-1.3301E+03	1.3988E+04	-1.5791E+03	1.3560E+04
14.5	-2.3040E+03	1.5021E+04	-2.5446E+03	1.4547E+04
14.6	-3.4199E+03	1.6077E+04	-3.6486E+03	1.5554E+04
14.7	-4.6904E+03	1.7148E+04	-4.9034E+03	1.6573E+04
14.8	-6.1290E+03	1.8227E+04	-6.3219E+03	1.7597E+04
14.9	-7.7495E+03	1.9302E+04	-7.9176E+03	1.8615E+04
15.0	-9.5664E+03	2.0364E+04	-9.7042E+03	1.9616E+04

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	-9.5664E+03	2.0364E+04	-9.7042E+03	1.9616E+04
15.1	-1.1595E+04	2.1398E+04	-1.1696E+04	2.0587E+04
15.2	-1.3849E+04	2.2390E+04	-1.3909E+04	2.1514E+04
15.3	-1.6346E+04	2.3321E+04	-1.6356E+04	2.2378E+04
15.4	-1.9101E+04	2.4173E+04	-1.9053E+04	2.3160E+04
15.5	-2.2130E+04	2.4922E+04	-2.2016E+04	2.3838E+04
15.6	-2.5448E+04	2.5544E+04	-2.5258E+04	2.4388E+04
15.7	-2.9071E+04	2.6010E+04	-2.8796E+04	2.4781E+04
15.8	-3.3013E+04	2.6289E+04	-3.2643E+04	2.4988E+04
15.9	-3.7290E+04	2.6347E+04	-3.6811E+04	2.4973E+04
16.0	-4.1913E+04	2.6144E+04	-4.1315E+04	2.4699E+04
16.1	-4.6895E+04	2.5639E+04	-4.6164E+04	2.4125E+04
16.2	-5.2247E+04	2.4784E+04	-5.1368E+04	2.3204E+04
16.3	-5.7975E+04	2.3530E+04	-5.6935E+04	2.1888E+04
16.4	-6.4087E+04	2.1820E+04	-6.2868E+04	2.0121E+04
16.5	-7.0584E+04	1.9593E+04	-6.9171E+04	1.7845E+04
16.6	-7.7465E+04	1.6786E+04	-7.5840E+04	1.4996E+04
16.7	-8.4726E+04	1.3326E+04	-8.2871E+04	1.1504E+04
16.8	-9.2357E+04	9.1376E+03	-9.0253E+04	7.2960E+03
16.9	-1.0034E+05	4.1396E+03	-9.7969E+04	2.2919E+03
17.0	-1.0866E+05	-1.7556E+03	-1.0600E+05	-3.5931E+03
17.1	-1.1729E+05	-8.6408E+03	-1.1431E+05	-1.0450E+04
17.2	-1.2618E+05	-1.6615E+04	-1.2287E+05	-1.8374E+04
17.3	-1.3529E+05	-2.5782E+04	-1.3163E+05	-2.7467E+04
17.4	-1.4457E+05	-3.6253E+04	-1.4054E+05	-3.7837E+04
17.5	-1.5395E+05	-4.8142E+04	-1.4952E+05	-4.9595E+04
17.6	-1.6335E+05	-6.1571E+04	-1.5850E+05	-6.2858E+04
17.7	-1.7267E+05	-7.6665E+04	-1.6738E+05	-7.7748E+04
17.8	-1.8181E+05	-9.3554E+04	-1.7606E+05	-9.4390E+04
17.9	-1.9065E+05	-1.1237E+05	-1.8441E+05	-1.1291E+05
18.0	-1.9902E+05	-1.3325E+05	-1.9229E+05	-1.3345E+05
18.1	-2.0678E+05	-1.5634E+05	-1.9954E+05	-1.5614E+05
18.2	-2.1374E+05	-1.8177E+05	-2.0597E+05	-1.8111E+05
18.3	-2.1968E+05	-2.0968E+05	-2.1137E+05	-2.0849E+05
18.4	-2.2436E+05	-2.4022E+05	-2.1551E+05	-2.3842E+05
18.5	-2.2754E+05	-2.7351E+05	-2.1814E+05	-2.7103E+05
18.6	-2.2891E+05	-3.0969E+05	-2.1895E+05	-3.0645E+05
18.7	-2.2814E+05	-3.4887E+05	-2.1764E+05	-3.4477E+05
18.8	-2.2489E+05	-3.9118E+05	-2.1386E+05	-3.8612E+05
18.9	-2.1875E+05	-4.3669E+05	-2.0720E+05	-4.3058E+05
19.0	-2.0929E+05	-4.8551E+05	-1.9726E+05	-4.7822E+05
19.1	-1.9604E+05	-5.3769E+05	-1.8356E+05	-5.2911E+05
19.2	-1.7849E+05	-5.9326E+05	-1.6560E+05	-5.8327E+05
19.3	-1.5607E+05	-6.5224E+05	-1.4283E+05	-6.4070E+05
19.4	-1.2818E+05	-7.1460E+05	-1.1466E+05	-7.0137E+05
19.5	-9.4169E+04	-7.8027E+05	-8.0451E+04	-7.6521E+05
19.6	-5.3335E+04	-8.4915E+05	-3.9516E+04	-8.3211E+05
19.7	-4.9278E+03	-9.2106E+05	8.8779E+03	-9.0189E+05
19.8	5.1856E+04	-9.9580E+05	6.5516E+04	-9.7433E+05
19.9	1.1787E+05	-1.0731E+06	1.3123E+05	-1.0491E+06
20.0	1.9402E+05	-1.1525E+06	2.0691E+05	-1.1259E+06

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	1.0004E+00	2.4626E-03	3.8271E-02	3.2193E-02
0.2	1.0017E+00	9.8566E-03	7.6354E-02	6.4711E-02
0.3	1.0038E+00	2.2201E-02	1.1406E-01	9.7877E-02
0.4	1.0066E+00	3.9528E-02	1.5118E-01	1.3201E-01
0.5	1.0099E+00	6.1879E-02	1.8753E-01	1.6743E-01
0.6	1.0137E+00	8.9308E-02	2.2287E-01	2.0446E-01
0.7	1.0177E+00	1.2188E-01	2.5699E-01	2.4339E-01
0.8	1.0217E+00	1.5966E-01	2.8962E-01	2.8452E-01
0.9	1.0254E+00	2.0273E-01	3.2050E-01	3.2816E-01
1.0	1.0285E+00	2.5117E-01	3.4934E-01	3.7458E-01
1.1	1.0307E+00	3.0505E-01	3.7581E-01	4.2404E-01
1.2	1.0314E+00	3.6447E-01	3.9957E-01	4.7680E-01
1.3	1.0304E+00	4.2950E-01	4.2025E-01	5.3309E-01
1.4	1.0271E+00	5.0019E-01	4.3743E-01	5.9312E-01
1.5	1.0210E+00	5.7662E-01	4.5067E-01	6.5709E-01
1.6	1.0115E+00	6.5881E-01	4.5948E-01	7.2516E-01
1.7	9.9796E-01	7.4679E-01	4.6333E-01	7.9746E-01
1.8	9.7973E-01	8.4055E-01	4.6166E-01	8.7408E-01
1.9	9.5608E-01	9.4004E-01	4.5387E-01	9.5508E-01
2.0	9.2622E-01	1.0452E+00	4.3929E-01	1.0405E+00
2.1	8.8933E-01	1.1559E+00	4.1724E-01	1.1302E+00
2.2	8.4454E-01	1.2719E+00	3.8696E-01	1.2242E+00
2.3	7.9092E-01	1.3931E+00	3.4766E-01	1.3223E+00
2.4	7.2748E-01	1.5191E+00	2.9852E-01	1.4243E+00
2.5	6.5321E-01	1.6495E+00	2.3865E-01	1.5298E+00
2.6	5.6702E-01	1.7840E+00	1.6713E-01	1.6384E+00
2.7	4.6780E-01	1.9218E+00	8.2999E-02	1.7498E+00
2.8	3.5440E-01	2.0625E+00	-1.4749E-02	1.8632E+00
2.9	2.2561E-01	2.2051E+00	-1.2715E-01	1.9780E+00
3.0	8.0223E-02	2.3489E+00	-2.5526E-01	2.0933E+00
3.1	-8.3025E-02	2.4927E+00	-4.0017E-01	2.2083E+00
3.2	-2.6540E-01	2.6353E+00	-5.6298E-01	2.3217E+00
3.3	-4.6817E-01	2.7755E+00	-7.4480E-01	2.4323E+00
3.4	-6.9263E-01	2.9117E+00	-9.4675E-01	2.5388E+00
3.5	-9.4002E-01	3.0422E+00	-1.1699E+00	2.6395E+00
3.6	-1.2116E+00	3.1650E+00	-1.4154E+00	2.7326E+00
3.7	-1.5086E+00	3.2781E+00	-1.6841E+00	2.8161E+00
3.8	-1.8320E+00	3.3791E+00	-1.9772E+00	2.8879E+00
3.9	-2.1831E+00	3.4655E+00	-2.2954E+00	2.9455E+00
4.0	-2.5627E+00	3.5343E+00	-2.6397E+00	2.9862E+00
4.1	-2.9717E+00	3.5826E+00	-3.0107E+00	3.0072E+00
4.2	-3.4107E+00	3.6068E+00	-3.4089E+00	3.0053E+00
4.3	-3.8804E+00	3.6035E+00	-3.8347E+00	2.9770E+00
4.4	-4.3810E+00	3.5686E+00	-4.2883E+00	2.9188E+00
4.5	-4.9126E+00	3.4979E+00	-4.7697E+00	2.8265E+00
4.6	-5.4750E+00	3.3869E+00	-5.2785E+00	2.6960E+00
4.7	-6.0677E+00	3.2307E+00	-5.8141E+00	2.5228E+00
4.8	-6.6898E+00	3.0242E+00	-6.3757E+00	2.3019E+00
4.9	-7.3400E+00	2.7619E+00	-6.9617E+00	2.0284E+00
5.0	-8.0165E+00	2.4380E+00	-7.5704E+00	1.6969E+00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-8.0165E+00	2.4380E+00	-7.5704E+00	1.6969E+00
5.1	-8.7171E+00	2.0466E+00	-8.1997E+00	1.3016E+00
5.2	-9.4390E+00	1.5812E+00	-8.8465E+00	8.3671E-01
5.3	-1.0179E+01	1.0352E+00	-9.5076E+00	2.9611E-01
5.4	-1.0932E+01	4.0194E-01	-1.0179E+01	-3.2656E-01
5.5	-1.1695E+01	-3.2574E-01	-1.0855E+01	-1.0378E+00
5.6	-1.2460E+01	-1.1550E+00	-1.1532E+01	-1.8444E+00
5.7	-1.3222E+01	-2.0933E+00	-1.2202E+01	-2.7530E+00
5.8	-1.3973E+01	-3.1480E+00	-1.2858E+01	-3.7706E+00
5.9	-1.4704E+01	-4.3264E+00	-1.3492E+01	-4.9039E+00
6.0	-1.5406E+01	-5.6362E+00	-1.4094E+01	-6.1597E+00
6.1	-1.6068E+01	-7.0844E+00	-1.4654E+01	-7.5448E+00
6.2	-1.6677E+01	-8.6783E+00	-1.5160E+01	-9.0655E+00
6.3	-1.7220E+01	-1.0424E+01	-1.5600E+01	-1.0728E+01
6.4	-1.7682E+01	-1.2329E+01	-1.5958E+01	-1.2538E+01
6.5	-1.8047E+01	-1.4399E+01	-1.6219E+01	-1.4500E+01
6.6	-1.8297E+01	-1.6638E+01	-1.6367E+01	-1.6619E+01
6.7	-1.8412E+01	-1.9050E+01	-1.6381E+01	-1.8898E+01
6.8	-1.8370E+01	-2.1640E+01	-1.6243E+01	-2.1341E+01
6.9	-1.8149E+01	-2.4408E+01	-1.5929E+01	-2.3948E+01
7.0	-1.7723E+01	-2.7356E+01	-1.5415E+01	-2.6719E+01
7.1	-1.7066E+01	-3.0483E+01	-1.4678E+01	-2.9653E+01
7.2	-1.6150E+01	-3.3785E+01	-1.3688E+01	-3.2747E+01
7.3	-1.4943E+01	-3.7258E+01	-1.2418E+01	-3.5994E+01
7.4	-1.3414E+01	-4.0893E+01	-1.0837E+01	-3.9387E+01
7.5	-1.1528E+01	-4.4682E+01	-8.9125E+00	-4.2915E+01
7.6	-9.2501E+00	-4.8609E+01	-6.6101E+00	-4.6565E+01
7.7	-6.5419E+00	-5.2659E+01	-3.8946E+00	-5.0320E+01
7.8	-3.3645E+00	-5.6812E+01	-7.2891E-01	-5.4160E+01
7.9	3.2281E-01	-6.1042E+01	2.9252E+00	-5.8059E+01
8.0	4.5618E+00	-6.5320E+01	7.1072E+00	-6.1990E+01
8.1	9.3955E+00	-6.9613E+01	1.1857E+01	-6.5919E+01
8.2	1.4867E+01	-7.3881E+01	1.7217E+01	-6.9806E+01
8.3	2.1022E+01	-7.8079E+01	2.3227E+01	-7.3608E+01
8.4	2.7904E+01	-8.2154E+01	2.9929E+01	-7.7274E+01
8.5	3.5556E+01	-8.6050E+01	3.7365E+01	-8.0748E+01
8.6	4.4023E+01	-8.9699E+01	4.5573E+01	-8.3965E+01
8.7	5.3347E+01	-9.3029E+01	5.4594E+01	-8.6853E+01
8.8	6.3566E+01	-9.5959E+01	6.4463E+01	-8.9335E+01
8.9	7.4720E+01	-9.8397E+01	7.5215E+01	-9.1322E+01
9.0	8.6841E+01	-1.0025E+02	8.6880E+01	-9.2719E+01
9.1	9.9959E+01	-1.0140E+02	9.9484E+01	-9.3420E+01
9.2	1.1410E+02	-1.0173E+02	1.1305E+02	-9.3310E+01
9.3	1.2928E+02	-1.0111E+02	1.2759E+02	-9.2265E+01
9.4	1.4551E+02	-9.9413E+01	1.4311E+02	-9.0151E+01
9.5	1.6279E+02	-9.6475E+01	1.5962E+02	-8.6822E+01
9.6	1.8112E+02	-9.2139E+01	1.7709E+02	-8.2122E+01
9.7	2.0047E+02	-8.6231E+01	1.9551E+02	-7.5885E+01
9.8	2.2082E+02	-7.8568E+01	2.1485E+02	-6.7935E+01
9.9	2.4211E+02	-6.8953E+01	2.3504E+02	-5.8084E+01
10.0	2.6427E+02	-5.7180E+01	2.5603E+02	-4.6134E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	2.6427E+02	-5.7180E+01	2.5603E+02	-4.6134E+01
10.1	2.8723E+02	-4.3032E+01	2.7773E+02	-3.1877E+01
10.2	3.1088E+02	-2.6283E+01	3.0003E+02	-1.5096E+01
10.3	3.3509E+02	-6.6937E+00	3.2281E+02	4.4352E+00
10.4	3.5971E+02	1.5979E+01	3.4591E+02	2.6950E+01
10.5	3.8456E+02	4.1989E+01	3.6915E+02	5.2690E+01
10.6	4.0942E+02	7.1596E+01	3.9232E+02	8.1901E+01
10.7	4.3405E+02	1.0506E+02	4.1518E+02	1.1483E+02
10.8	4.5817E+02	1.4265E+02	4.3745E+02	1.5173E+02
10.9	4.8145E+02	1.8463E+02	4.5882E+02	1.9286E+02
11.0	5.0354E+02	2.3127E+02	4.7894E+02	2.3846E+02
11.1	5.2403E+02	2.8282E+02	4.9739E+02	2.8877E+02
11.2	5.4246E+02	3.3954E+02	5.1374E+02	3.4403E+02
11.3	5.5833E+02	4.0165E+02	5.2750E+02	4.0446E+02
11.4	5.7109E+02	4.6939E+02	5.3812E+02	4.7025E+02
11.5	5.8011E+02	5.4294E+02	5.4501E+02	5.4159E+02
11.6	5.8473E+02	6.2248E+02	5.4749E+02	6.1864E+02
11.7	5.8421E+02	7.0815E+02	5.4488E+02	7.0150E+02
11.8	5.7775E+02	8.0003E+02	5.3638E+02	7.9027E+02
11.9	5.6449E+02	8.9819E+02	5.2116E+02	8.8496E+02
12.0	5.4351E+02	1.0026E+03	4.9833E+02	9.8555E+02
12.1	5.1379E+02	1.1132E+03	4.6690E+02	1.0920E+03
12.2	4.7429E+02	1.2299E+03	4.2586E+02	1.2040E+03
12.3	4.2386E+02	1.3523E+03	3.7410E+02	1.3215E+03
12.4	3.6130E+02	1.4803E+03	3.1046E+02	1.4441E+03
12.5	2.8534E+02	1.6133E+03	2.3373E+02	1.5713E+03
12.6	1.9465E+02	1.7509E+03	1.4260E+02	1.7026E+03
12.7	8.7830E+01	1.8923E+03	3.5738E+01	1.8373E+03
12.8	-3.6569E+01	2.0367E+03	-8.8249E+01	1.9746E+03
12.9	-1.8005E+02	2.1831E+03	-2.3080E+02	2.1134E+03
13.0	-3.4415E+02	2.3304E+03	-3.9341E+02	2.2527E+03
13.1	-5.3046E+02	2.4772E+03	-5.7758E+02	2.3911E+03
13.2	-7.4057E+02	2.6219E+03	-7.8483E+02	2.5270E+03
13.3	-9.7611E+02	2.7628E+03	-1.0167E+03	2.6587E+03
13.4	-1.2387E+03	2.8978E+03	-1.2748E+03	2.7841E+03
13.5	-1.5299E+03	3.0247E+03	-1.5605E+03	2.9011E+03
13.6	-1.8512E+03	3.1408E+03	-1.8754E+03	3.0070E+03
13.7	-2.2042E+03	3.2433E+03	-2.2208E+03	3.0991E+03
13.8	-2.5903E+03	3.3290E+03	-2.5980E+03	3.1742E+03
13.9	-3.0107E+03	3.3943E+03	-3.0083E+03	3.2289E+03
14.0	-3.4667E+03	3.4356E+03	-3.4527E+03	3.2594E+03
14.1	-3.9590E+03	3.4484E+03	-3.9320E+03	3.2616E+03
14.2	-4.4886E+03	3.4282E+03	-4.4470E+03	3.2309E+03
14.3	-5.0558E+03	3.3699E+03	-4.9979E+03	3.1625E+03
14.4	-5.6609E+03	3.2683E+03	-5.5849E+03	3.0512E+03
14.5	-6.3036E+03	3.1174E+03	-6.2076E+03	2.8912E+03
14.6	-6.9834E+03	2.9111E+03	-6.8655E+03	2.6765E+03
14.7	-7.6991E+03	2.6426E+03	-7.5573E+03	2.4005E+03
14.8	-8.4492E+03	2.3049E+03	-8.2813E+03	2.0565E+03
14.9	-9.2314E+03	1.8905E+03	-9.0353E+03	1.6372E+03
15.0	-1.0043E+04	1.3915E+03	-9.8163E+03	1.1348E+03

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	-1.0043E+04	1.3915E+03	-9.8163E+03	1.1348E+03
15.1	-1.0880E+04	7.9957E+02	-1.0621E+04	5.4143E+02
15.2	-1.1738E+04	1.0613E+02	-1.1444E+04	-1.5137E+02
15.3	-1.2612E+04	-6.9784E+02	-1.2280E+04	-9.5227E+02
15.4	-1.3495E+04	-1.6216E+03	-1.3123E+04	-1.8702E+03
15.5	-1.4379E+04	-2.6747E+03	-1.3966E+04	-2.9143E+03
15.6	-1.5257E+04	-3.8668E+03	-1.4799E+04	-4.0941E+03
15.7	-1.6117E+04	-5.2077E+03	-1.5613E+04	-5.4188E+03
15.8	-1.6948E+04	-6.7074E+03	-1.6396E+04	-6.8980E+03
15.9	-1.7737E+04	-8.3756E+03	-1.7135E+04	-8.5410E+03
16.0	-1.8470E+04	-1.0222E+04	-1.7816E+04	-1.0357E+04
16.1	-1.9129E+04	-1.2256E+04	-1.8422E+04	-1.2355E+04
16.2	-1.9698E+04	-1.4486E+04	-1.8936E+04	-1.4543E+04
16.3	-2.0154E+04	-1.6921E+04	-1.9337E+04	-1.6930E+04
16.4	-2.0476E+04	-1.9568E+04	-1.9604E+04	-1.9521E+04
16.5	-2.0639E+04	-2.2434E+04	-1.9711E+04	-2.2324E+04
16.6	-2.0617E+04	-2.5524E+04	-1.9633E+04	-2.5342E+04
16.7	-2.0379E+04	-2.8842E+04	-1.9342E+04	-2.8580E+04
16.8	-1.9895E+04	-3.2390E+04	-1.8806E+04	-3.2039E+04
16.9	-1.9130E+04	-3.6168E+04	-1.7991E+04	-3.5718E+04
17.0	-1.8047E+04	-4.0174E+04	-1.6861E+04	-3.9615E+04
17.1	-1.6606E+04	-4.4403E+04	-1.5379E+04	-4.3725E+04
17.2	-1.4767E+04	-4.8847E+04	-1.3503E+04	-4.8038E+04
17.3	-1.2484E+04	-5.3494E+04	-1.1190E+04	-5.2544E+04
17.4	-9.7107E+03	-5.8329E+04	-8.3941E+03	-5.7226E+04
17.5	-6.3967E+03	-6.3333E+04	-5.0665E+03	-6.2064E+04
17.6	-2.4905E+03	-6.8480E+04	-1.1571E+03	-6.7033E+04
17.7	2.0619E+03	-7.3741E+04	3.3866E+03	-7.2103E+04
17.8	7.3166E+03	-7.9079E+04	8.6189E+03	-7.7238E+04
17.9	1.3331E+04	-8.4451E+04	1.4596E+04	-8.2394E+04
18.0	2.0165E+04	-8.9808E+04	2.1374E+04	-8.7524E+04
18.1	2.7878E+04	-9.5092E+04	2.9013E+04	-9.2569E+04
18.2	3.6531E+04	-1.0024E+05	3.7569E+04	-9.7463E+04
18.3	4.6184E+04	-1.0517E+05	4.7102E+04	-1.0213E+05
18.4	5.6897E+04	-1.0980E+05	5.7669E+04	-1.0649E+05
18.5	6.8729E+04	-1.1404E+05	6.9326E+04	-1.1045E+05
18.6	8.1736E+04	-1.1777E+05	8.2127E+04	-1.1390E+05
18.7	9.5971E+04	-1.2089E+05	9.6123E+04	-1.1672E+05
18.8	1.1148E+05	-1.2325E+05	1.1136E+05	-1.1879E+05
18.9	1.2832E+05	-1.2472E+05	1.2788E+05	-1.1996E+05
19.0	1.4651E+05	-1.2513E+05	1.4571E+05	-1.2007E+05
19.1	1.6608E+05	-1.2432E+05	1.6488E+05	-1.1897E+05
19.2	1.8707E+05	-1.2210E+05	1.8541E+05	-1.1646E+05
19.3	2.0946E+05	-1.1826E+05	2.0731E+05	-1.1235E+05
19.4	2.3327E+05	-1.1259E+05	2.3055E+05	-1.0641E+05
19.5	2.5846E+05	-1.0484E+05	2.5513E+05	-9.8432E+04
19.6	2.8499E+05	-9.4781E+04	2.8100E+05	-8.8156E+04
19.7	3.1282E+05	-8.2134E+04	3.0809E+05	-7.5326E+04
19.8	3.4185E+05	-6.6618E+04	3.3632E+05	-5.9665E+04
19.9	3.7198E+05	-4.7937E+04	3.6559E+05	-4.0883E+04
20.0	4.0307E+05	-2.5776E+04	3.9575E+05	-1.8674E+04

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	1.0000E+00	2.5000E-03	3.5311E-02	3.5400E-02
0.2	9.9997E-01	1.0000E-02	7.0357E-02	7.1064E-02
0.3	9.9987E-01	2.2500E-02	1.0487E-01	1.0725E-01
0.4	9.9960E-01	3.9998E-02	1.3857E-01	1.4423E-01
0.5	9.9902E-01	6.2493E-02	1.7120E-01	1.8224E-01
0.6	9.9798E-01	8.9980E-02	2.0244E-01	2.2153E-01
0.7	9.9625E-01	1.2245E-01	2.3202E-01	2.6233E-01
0.8	9.9360E-01	1.5989E-01	2.5962E-01	3.0486E-01
0.9	9.8975E-01	2.0227E-01	2.8491E-01	3.4931E-01
1.0	9.8438E-01	2.4957E-01	3.0756E-01	3.9587E-01
1.1	9.7714E-01	3.0173E-01	3.2720E-01	4.4469E-01
1.2	9.6763E-01	3.5870E-01	3.4345E-01	4.9591E-01
1.3	9.5543E-01	4.2041E-01	3.5593E-01	5.4964E-01
1.4	9.4008E-01	4.8673E-01	3.6422E-01	6.0595E-01
1.5	9.2107E-01	5.5756E-01	3.6786E-01	6.6487E-01
1.6	8.9789E-01	6.3273E-01	3.6642E-01	7.2640E-01
1.7	8.6997E-01	7.1204E-01	3.5940E-01	7.9051E-01
1.8	8.3672E-01	7.9526E-01	3.4630E-01	8.5709E-01
1.9	7.9752E-01	8.8212E-01	3.2661E-01	9.2601E-01
2.0	7.5173E-01	9.7229E-01	2.9978E-01	9.9708E-01
2.1	6.9869E-01	1.0654E+00	2.6525E-01	1.0700E+00
2.2	6.3769E-01	1.1610E+00	2.2246E-01	1.1445E+00
2.3	5.6805E-01	1.2585E+00	1.7083E-01	1.2202E+00
2.4	4.8905E-01	1.3575E+00	1.0976E-01	1.2966E+00
2.5	3.9997E-01	1.4572E+00	3.8668E-02	1.3731E+00
2.6	3.0009E-01	1.5569E+00	-4.3041E-02	1.4491E+00
2.7	1.8871E-01	1.6557E+00	-1.3595E-01	1.5240E+00
2.8	6.5112E-02	1.7529E+00	-2.4063E-01	1.5968E+00
2.9	-7.1368E-02	1.8472E+00	-3.5762E-01	1.6667E+00
3.0	-2.2138E-01	1.9376E+00	-4.8745E-01	1.7326E+00
3.1	-3.8553E-01	2.0228E+00	-6.3060E-01	1.7935E+00
3.2	-5.6438E-01	2.1016E+00	-7.8750E-01	1.8481E+00
3.3	-7.5841E-01	2.1723E+00	-9.5852E-01	1.8949E+00
3.4	-9.6804E-01	2.2334E+00	-1.1440E+00	1.9327E+00
3.5	-1.1936E+00	2.2832E+00	-1.3440E+00	1.9596E+00
3.6	-1.4353E+00	2.3199E+00	-1.5589E+00	1.9742E+00
3.7	-1.6933E+00	2.3413E+00	-1.7885E+00	1.9744E+00
3.8	-1.9674E+00	2.3454E+00	-2.0327E+00	1.9584E+00
3.9	-2.2576E+00	2.3300E+00	-2.2913E+00	1.9241E+00
4.0	-2.5634E+00	2.2927E+00	-2.5638E+00	1.8692E+00
4.1	-2.8843E+00	2.2309E+00	-2.8496E+00	1.7916E+00
4.2	-3.2195E+00	2.1422E+00	-3.1479E+00	1.6886E+00
4.3	-3.5679E+00	2.0236E+00	-3.4576E+00	1.5579E+00
4.4	-3.9283E+00	1.8726E+00	-3.7774E+00	1.3969E+00
4.5	-4.2991E+00	1.6860E+00	-4.1057E+00	1.2028E+00
4.6	-4.6784E+00	1.4610E+00	-4.4406E+00	9.7298E-01
4.7	-5.0639E+00	1.1946E+00	-4.7801E+00	7.0459E-01
4.8	-5.4531E+00	8.8366E-01	-5.1214E+00	3.9486E-01
4.9	-5.8429E+00	5.2515E-01	-5.4618E+00	4.0994E-02
5.0	-6.2301E+00	1.1603E-01	-5.7979E+00	-3.5978E-01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-6.2301E+00	1.1603E-01	-5.7979E+00	-3.5978E-01
5.1	-6.6107E+00	-3.4666E-01	-6.1260E+00	-8.1016E-01
5.2	-6.9803E+00	-8.6584E-01	-6.4421E+00	-1.3128E+00
5.3	-7.3344E+00	-1.4443E+00	-6.7414E+00	-1.8701E+00
5.4	-7.6674E+00	-2.0845E+00	-7.0189E+00	-2.4844E+00
5.5	-7.9736E+00	-2.7890E+00	-7.2690E+00	-3.1579E+00
5.6	-8.2466E+00	-3.5597E+00	-7.4857E+00	-3.8922E+00
5.7	-8.4794E+00	-4.3986E+00	-7.6622E+00	-4.6889E+00
5.8	-8.6644E+00	-5.3068E+00	-7.7914E+00	-5.5492E+00
5.9	-8.7937E+00	-6.2854E+00	-7.8657E+00	-6.4736E+00
6.0	-8.8583E+00	-7.3347E+00	-7.8767E+00	-7.4622E+00
6.1	-8.8491E+00	-8.4545E+00	-7.8156E+00	-8.5146E+00
6.2	-8.7561E+00	-9.6437E+00	-7.6730E+00	-9.6296E+00
6.3	-8.5688E+00	-1.0901E+01	-7.4391E+00	-1.0805E+01
6.4	-8.2762E+00	-1.2223E+01	-7.1035E+00	-1.2039E+01
6.5	-7.8669E+00	-1.3607E+01	-6.6553E+00	-1.3327E+01
6.6	-7.3287E+00	-1.5047E+01	-6.0832E+00	-1.4664E+01
6.7	-6.6492E+00	-1.6538E+01	-5.3755E+00	-1.6045E+01
6.8	-5.8155E+00	-1.8074E+01	-4.5201E+00	-1.7462E+01
6.9	-4.8146E+00	-1.9644E+01	-3.5048E+00	-1.8906E+01
7.0	-3.6329E+00	-2.1239E+01	-2.3172E+00	-2.0369E+01
7.1	-2.2571E+00	-2.2848E+01	-9.4453E-01	-2.1838E+01
7.2	-6.7369E-01	-2.4456E+01	6.2560E-01	-2.3299E+01
7.3	1.1308E+00	-2.6049E+01	2.4056E+00	-2.4739E+01
7.4	3.1695E+00	-2.7609E+01	4.4075E+00	-2.6140E+01
7.5	5.4550E+00	-2.9116E+01	6.6429E+00	-2.7482E+01
7.6	7.9994E+00	-3.0548E+01	9.1229E+00	-2.8746E+01
7.7	1.0814E+01	-3.1882E+01	1.1858E+01	-2.9907E+01
7.8	1.3909E+01	-3.3092E+01	1.4856E+01	-3.0939E+01
7.9	1.7293E+01	-3.4147E+01	1.8126E+01	-3.1816E+01
8.0	2.0974E+01	-3.5017E+01	2.1674E+01	-3.2507E+01
8.1	2.4957E+01	-3.5667E+01	2.5503E+01	-3.2978E+01
8.2	2.9245E+01	-3.6061E+01	2.9618E+01	-3.3195E+01
8.3	3.3840E+01	-3.6159E+01	3.4016E+01	-3.3119E+01
8.4	3.8738E+01	-3.5920E+01	3.8696E+01	-3.2711E+01
8.5	4.3936E+01	-3.5298E+01	4.3651E+01	-3.1927E+01
8.6	4.9423E+01	-3.4246E+01	4.8870E+01	-3.0723E+01
8.7	5.5187E+01	-3.2714E+01	5.4341E+01	-2.9050E+01
8.8	6.1210E+01	-3.0651E+01	6.0045E+01	-2.6860E+01
8.9	6.7469E+01	-2.8003E+01	6.5959E+01	-2.4101E+01
9.0	7.3936E+01	-2.4713E+01	7.2054E+01	-2.0719E+01
9.1	8.0576E+01	-2.0724E+01	7.8296E+01	-1.6661E+01
9.2	8.7350E+01	-1.5976E+01	8.4645E+01	-1.1870E+01
9.3	9.4208E+01	-1.0412E+01	9.1052E+01	-6.2902E+00
9.4	1.0110E+02	-3.9692E+00	9.7463E+01	1.3491E-01
9.5	1.0795E+02	3.4106E+00	1.0381E+02	7.4614E+00
9.6	1.1470E+02	1.1787E+01	1.1004E+02	1.5745E+01
9.7	1.2126E+02	2.1218E+01	1.1605E+02	2.5038E+01
9.8	1.2754E+02	3.1758E+01	1.2176E+02	3.5394E+01
9.9	1.3343E+02	4.3459E+01	1.2707E+02	4.6859E+01
10.0	1.3884E+02	5.6370E+01	1.3188E+02	5.9478E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	1.3884E+02	5.6370E+01	1.3188E+02	5.9478E+01
10.1	1.4363E+02	7.0534E+01	1.3606E+02	7.3288E+01
10.2	1.4767E+02	8.5987E+01	1.3948E+02	8.8323E+01
10.3	1.5081E+02	1.0276E+02	1.4200E+02	1.0461E+02
10.4	1.5290E+02	1.2087E+02	1.4346E+02	1.2216E+02
10.5	1.5377E+02	1.4032E+02	1.4371E+02	1.4098E+02
10.6	1.5323E+02	1.6113E+02	1.4257E+02	1.6106E+02
10.7	1.5109E+02	1.8325E+02	1.3984E+02	1.8238E+02
10.8	1.4714E+02	2.0668E+02	1.3533E+02	2.0492E+02
10.9	1.4117E+02	2.3135E+02	1.2884E+02	2.2861E+02
11.0	1.3295E+02	2.5721E+02	1.2014E+02	2.5338E+02
11.1	1.2225E+02	2.8414E+02	1.0901E+02	2.7914E+02
11.2	1.0881E+02	3.1206E+02	9.5203E+01	3.0578E+02
11.3	9.2383E+01	3.4080E+02	7.8483E+01	3.3315E+02
11.4	7.2707E+01	3.7021E+02	5.8599E+01	3.6108E+02
11.5	4.9517E+01	4.0008E+02	3.5297E+01	3.8938E+02
11.6	2.2543E+01	4.3018E+02	8.3224E+00	4.1781E+02
11.7	-8.4831E+00	4.6025E+02	-2.2580E+01	4.4611E+02
11.8	-4.3828E+01	4.8997E+02	-5.7664E+01	4.7397E+02
11.9	-8.3753E+01	5.1900E+02	-9.7174E+01	5.0105E+02
12.0	-1.2851E+02	5.4695E+02	-1.4135E+02	5.2696E+02
12.1	-1.7834E+02	5.7338E+02	-1.9042E+02	5.5129E+02
12.2	-2.3348E+02	5.9782E+02	-2.4458E+02	5.7355E+02
12.3	-2.9411E+02	6.1972E+02	-3.0403E+02	5.9323E+02
12.4	-3.6042E+02	6.3851E+02	-3.6892E+02	6.0976E+02
12.5	-4.3256E+02	6.5356E+02	-4.3938E+02	6.2251E+02
12.6	-5.1062E+02	6.6417E+02	-5.1551E+02	6.3082E+02
12.7	-5.9469E+02	6.6961E+02	-5.9735E+02	6.3396E+02
12.8	-6.8475E+02	6.6908E+02	-6.8489E+02	6.3116E+02
12.9	-7.8078E+02	6.6172E+02	-7.7808E+02	6.2160E+02
13.0	-8.8265E+02	6.4664E+02	-8.7677E+02	6.0439E+02
13.1	-9.9017E+02	6.2287E+02	-9.8078E+02	5.7861E+02
13.2	-1.1031E+03	5.8942E+02	-1.0898E+03	5.4328E+02
13.3	-1.2210E+03	5.4522E+02	-1.2035E+03	4.9739E+02
13.4	-1.3434E+03	4.8919E+02	-1.3213E+03	4.3987E+02
13.5	-1.4698E+03	4.2018E+02	-1.4427E+03	3.6964E+02
13.6	-1.5995E+03	3.3704E+02	-1.5670E+03	2.8557E+02
13.7	-1.7315E+03	2.3857E+02	-1.6932E+03	1.8652E+02
13.8	-1.8650E+03	1.2355E+02	-1.8205E+03	7.1328E+01
13.9	-1.9987E+03	-9.2110E+00	-1.9477E+03	-6.1171E+01
14.0	-2.1313E+03	-1.6094E+02	-2.0734E+03	-2.1213E+02
14.1	-2.2613E+03	-3.3282E+02	-2.1962E+03	-3.8268E+02
14.2	-2.3871E+03	-5.2602E+02	-2.3144E+03	-5.7393E+02
14.3	-2.5068E+03	-7.4165E+02	-2.4261E+03	-7.8692E+02
14.4	-2.6182E+03	-9.8075E+02	-2.5293E+03	-1.0226E+03
14.5	-2.7191E+03	-1.2443E+03	-2.6218E+03	-1.2820E+03
14.6	-2.8068E+03	-1.5331E+03	-2.7009E+03	-1.5657E+03
14.7	-2.8786E+03	-1.8479E+03	-2.7639E+03	-1.8745E+03
14.8	-2.9316E+03	-2.1892E+03	-2.8080E+03	-2.2088E+03
14.9	-2.9623E+03	-2.5574E+03	-2.8299E+03	-2.5689E+03
15.0	-2.9673E+03	-2.9527E+03	-2.8261E+03	-2.9549E+03

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	-2.9673E+03	-2.9527E+03	-2.8261E+03	-2.9549E+03
15.1	-2.9428E+03	-3.3749E+03	-2.7930E+03	-3.3666E+03
15.2	-2.8848E+03	-3.8236E+03	-2.7266E+03	-3.8035E+03
15.3	-2.7890E+03	-4.2981E+03	-2.6229E+03	-4.2649E+03
15.4	-2.6510E+03	-4.7973E+03	-2.4774E+03	-4.7496E+03
15.5	-2.4661E+03	-5.3196E+03	-2.2857E+03	-5.2560E+03
15.6	-2.2293E+03	-5.8631E+03	-2.0428E+03	-5.7821E+03
15.7	-1.9355E+03	-6.4253E+03	-1.7439E+03	-6.3254E+03
15.8	-1.5796E+03	-7.0031E+03	-1.3839E+03	-6.8828E+03
15.9	-1.1561E+03	-7.5930E+03	-9.5763E+02	-7.4507E+03
16.0	-6.5950E+02	-8.1907E+03	-4.5978E+02	-8.0248E+03
16.1	-8.4361E+01	-8.7912E+03	1.1496E+02	-8.6002E+03
16.2	5.7485E+02	-9.3887E+03	7.7189E+02	-9.1712E+03
16.3	1.3236E+03	-9.9767E+03	1.5162E+03	-9.7312E+03
16.4	2.1672E+03	-1.0548E+04	2.3530E+03	-1.0273E+04
16.5	3.1109E+03	-1.1094E+04	3.2873E+03	-1.0788E+04
16.6	4.1594E+03	-1.1605E+04	4.3235E+03	-1.1268E+04
16.7	5.3172E+03	-1.2072E+04	5.4660E+03	-1.1702E+04
16.8	6.5885E+03	-1.2483E+04	6.7185E+03	-1.2079E+04
16.9	7.9767E+03	-1.2826E+04	8.0841E+03	-1.2388E+04
17.0	9.4845E+03	-1.3087E+04	9.5655E+03	-1.2614E+04
17.1	1.1114E+04	-1.3252E+04	1.1164E+04	-1.2744E+04
17.2	1.2866E+04	-1.3305E+04	1.2881E+04	-1.2762E+04
17.3	1.4740E+04	-1.3230E+04	1.4715E+04	-1.2652E+04
17.4	1.6735E+04	-1.3007E+04	1.6665E+04	-1.2396E+04
17.5	1.8849E+04	-1.2619E+04	1.8729E+04	-1.1976E+04
17.6	2.1076E+04	-1.2045E+04	2.0900E+04	-1.1371E+04
17.7	2.3410E+04	-1.1265E+04	2.3173E+04	-1.0562E+04
17.8	2.5843E+04	-1.0255E+04	2.5538E+04	-9.5271E+03
17.9	2.8365E+04	-8.9924E+03	2.7987E+04	-8.2432E+03
18.0	3.0962E+04	-7.4543E+03	3.0504E+04	-6.6875E+03
18.1	3.3619E+04	-5.6160E+03	3.3075E+04	-4.8363E+03
18.2	3.6317E+04	-3.4524E+03	3.5681E+04	-2.6657E+03
18.3	3.9034E+04	-9.3857E+02	3.8299E+04	-1.5119E+02
18.4	4.1746E+04	1.9509E+03	4.0906E+04	2.7316E+03
18.5	4.4423E+04	5.2411E+03	4.3472E+04	6.0068E+03
18.6	4.7033E+04	8.9565E+03	4.5966E+04	9.6980E+03
18.7	4.9539E+04	1.3121E+04	4.8350E+04	1.3828E+04
18.8	5.1901E+04	1.7757E+04	5.0585E+04	1.8418E+04
18.9	5.4072E+04	2.2886E+04	5.2625E+04	2.3490E+04
19.0	5.6003E+04	2.8527E+04	5.4421E+04	2.9059E+04
19.1	5.7640E+04	3.4697E+04	5.5919E+04	3.5143E+04
19.2	5.8921E+04	4.1409E+04	5.7060E+04	4.1753E+04
19.3	5.9782E+04	4.8674E+04	5.7779E+04	4.8899E+04
19.4	6.0152E+04	5.6497E+04	5.8008E+04	5.6585E+04
19.5	5.9957E+04	6.4879E+04	5.7672E+04	6.4811E+04
19.6	5.9115E+04	7.3816E+04	5.6693E+04	7.3572E+04
19.7	5.7540E+04	8.3297E+04	5.4986E+04	8.2855E+04
19.8	5.5142E+04	9.3303E+04	5.2462E+04	9.2641E+04
19.9	5.1826E+04	1.0381E+05	4.9027E+04	1.0290E+05
20.0	4.7489E+04	1.1478E+05	4.4584E+04	1.1360E+05

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	9.9956E-01	2.4615E-03	3.2085E-02	3.8333E-02
0.2	9.9824E-01	9.8395E-03	6.3845E-02	7.6854E-02
0.3	9.9597E-01	2.2115E-02	9.4955E-02	1.1574E-01
0.4	9.9268E-01	3.9254E-02	1.2508E-01	1.5518E-01
0.5	9.8823E-01	6.1211E-02	1.5390E-01	1.9534E-01
0.6	9.8248E-01	8.7923E-02	1.8108E-01	2.3637E-01
0.7	9.7523E-01	1.1931E-01	2.0626E-01	2.7842E-01
0.8	9.6626E-01	1.5528E-01	2.2912E-01	3.2161E-01
0.9	9.5532E-01	1.9572E-01	2.4930E-01	3.6605E-01
1.0	9.4213E-01	2.4049E-01	2.6643E-01	4.1182E-01
1.1	9.2637E-01	2.8942E-01	2.8016E-01	4.5896E-01
1.2	9.0771E-01	3.4235E-01	2.9012E-01	5.0751E-01
1.3	8.8579E-01	3.9904E-01	2.9592E-01	5.5745E-01
1.4	8.6022E-01	4.5926E-01	2.9720E-01	6.0873E-01
1.5	8.3059E-01	5.2273E-01	2.9356E-01	6.6128E-01
1.6	7.9650E-01	5.8914E-01	2.8462E-01	7.1497E-01
1.7	7.5750E-01	6.5813E-01	2.6999E-01	7.6962E-01
1.8	7.1315E-01	7.2931E-01	2.4928E-01	8.2501E-01
1.9	6.6300E-01	8.0223E-01	2.2211E-01	8.8087E-01
2.0	6.0659E-01	8.7641E-01	1.8810E-01	9.3688E-01
2.1	5.4349E-01	9.5130E-01	1.4689E-01	9.9265E-01
2.2	4.7325E-01	1.0263E+00	9.8119E-02	1.0477E+00
2.3	3.9544E-01	1.1008E+00	4.1460E-02	1.1017E+00
2.4	3.0966E-01	1.1740E+00	-2.3401E-02	1.1539E+00
2.5	2.1553E-01	1.2453E+00	-9.6744E-02	1.2037E+00
2.6	1.1270E-01	1.137E+00	-1.7882E-01	1.2504E+00
2.7	8.7296E-04	1.3783E+00	-2.6983E-01	1.2934E+00
2.8	-1.2022E-01	1.4383E+00	-3.6993E-01	1.3317E+00
2.9	-2.5076E-01	1.4925E+00	-4.7924E-01	1.3644E+00
3.0	-3.9090E-01	1.5399E+00	-5.9779E-01	1.3907E+00
3.1	-5.4068E-01	1.5793E+00	-7.2554E-01	1.4094E+00
3.2	-7.0009E-01	1.6095E+00	-8.6240E-01	1.4196E+00
3.3	-8.6899E-01	1.6292E+00	-1.0082E+00	1.4200E+00
3.4	-1.0472E+00	1.6371E+00	-1.1625E+00	1.4094E+00
3.5	-1.2342E+00	1.6318E+00	-1.3251E+00	1.3867E+00
3.6	-1.4298E+00	1.6119E+00	-1.4953E+00	1.3504E+00
3.7	-1.6331E+00	1.5759E+00	-1.6725E+00	1.2994E+00
3.8	-1.8436E+00	1.5222E+00	-1.8560E+00	1.2321E+00
3.9	-2.0602E+00	1.4494E+00	-2.0447E+00	1.1473E+00
4.0	-2.2818E+00	1.3559E+00	-2.2376E+00	1.0435E+00
4.1	-2.5073E+00	1.2402E+00	-2.4335E+00	9.1938E-01
4.2	-2.7350E+00	1.1008E+00	-2.6308E+00	7.7352E-01
4.3	-2.9634E+00	9.3612E-01	-2.8279E+00	6.0459E-01
4.4	-3.1905E+00	7.4478E-01	-3.0230E+00	4.1131E-01
4.5	-3.4143E+00	5.2540E-01	-3.2140E+00	1.9244E-01
4.6	-3.6324E+00	2.7669E-01	-3.3988E+00	-5.3162E-02
4.7	-3.8422E+00	-2.5232E-03	-3.5747E+00	-3.2651E-01
4.8	-4.0409E+00	-3.1329E-01	-3.7393E+00	-6.2852E-01
4.9	-4.2255E+00	-6.5648E-01	-3.8894E+00	-9.5992E-01
5.0	-4.3927E+00	-1.0328E+00	-4.0221E+00	-1.3213E+00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-4.3927E+00	-1.0328E+00	-4.0221E+00	-1.3213E+00
5.1	-4.5389E+00	-1.4427E+00	-4.1339E+00	-1.7129E+00
5.2	-4.6604E+00	-1.8864E+00	-4.2212E+00	-2.1350E+00
5.3	-4.7531E+00	-2.3638E+00	-4.2803E+00	-2.5872E+00
5.4	-4.8129E+00	-2.8746E+00	-4.3072E+00	-3.0692E+00
5.5	-4.8351E+00	-3.4180E+00	-4.2977E+00	-3.5801E+00
5.6	-4.8153E+00	-3.9928E+00	-4.2474E+00	-4.1188E+00
5.7	-4.7485E+00	-4.5976E+00	-4.1518E+00	-4.6835E+00
5.8	-4.6298E+00	-5.2303E+00	-4.0062E+00	-5.2722E+00
5.9	-4.4540E+00	-5.8882E+00	-3.8059E+00	-5.8825E+00
6.0	-4.2161E+00	-6.5685E+00	-3.5460E+00	-6.5111E+00
6.1	-3.9106E+00	-7.2672E+00	-3.2217E+00	-7.1545E+00
6.2	-3.5324E+00	-7.9803E+00	-2.8281E+00	-7.8084E+00
6.3	-3.0761E+00	-8.7026E+00	-2.3604E+00	-8.4680E+00
6.4	-2.5367E+00	-9.4285E+00	-1.8138E+00	-9.1277E+00
6.5	-1.9092E+00	-1.0152E+01	-1.1838E+00	-9.7813E+00
6.6	-1.1888E+00	-1.0865E+01	-4.6609E-01	-1.0422E+01
6.7	-3.7099E-01	-1.1560E+01	3.4337E-01	-1.1042E+01
6.8	5.4832E-01	-1.2229E+01	1.2482E+00	-1.1632E+01
6.9	1.5728E+00	-1.2861E+01	2.2517E+00	-1.2184E+01
7.0	2.7055E+00	-1.3446E+01	3.3563E+00	-1.2688E+01
7.1	3.9489E+00	-1.3974E+01	4.5642E+00	-1.3132E+01
7.2	5.3047E+00	-1.4431E+01	5.8766E+00	-1.3506E+01
7.3	6.7737E+00	-1.4805E+01	7.2939E+00	-1.3795E+01
7.4	8.3557E+00	-1.5082E+01	8.8156E+00	-1.3989E+01
7.5	1.0050E+01	-1.5248E+01	1.0440E+01	-1.4071E+01
7.6	1.1853E+01	-1.5287E+01	1.2164E+01	-1.4029E+01
7.7	1.3761E+01	-1.5183E+01	1.3984E+01	-1.3846E+01
7.8	1.5770E+01	-1.4919E+01	1.5894E+01	-1.3507E+01
7.9	1.7871E+01	-1.4478E+01	1.7887E+01	-1.2996E+01
8.0	2.0057E+01	-1.3843E+01	1.9953E+01	-1.2296E+01
8.1	2.2316E+01	-1.2996E+01	2.2083E+01	-1.1390E+01
8.2	2.4636E+01	-1.1918E+01	2.4264E+01	-1.0261E+01
8.3	2.7002E+01	-1.0591E+01	2.6479E+01	-8.8916E+00
8.4	2.9397E+01	-8.9982E+00	2.8714E+01	-7.2656E+00
8.5	3.1800E+01	-7.1205E+00	3.0947E+01	-5.3662E+00
8.6	3.4189E+01	-4.9411E+00	3.3157E+01	-3.1775E+00
8.7	3.6540E+01	-2.4438E+00	3.5319E+01	-6.8453E-01
8.8	3.8825E+01	3.8701E-01	3.7407E+01	2.1268E+00
8.9	4.1013E+01	3.5652E+00	3.9391E+01	5.2692E+00
9.0	4.3070E+01	7.1032E+00	4.1237E+01	8.7537E+00
9.1	4.4960E+01	1.1012E+01	4.2911E+01	1.2589E+01
9.2	4.6644E+01	1.5298E+01	4.4374E+01	1.6783E+01
9.3	4.8079E+01	1.9969E+01	4.5585E+01	2.1338E+01
9.4	4.9220E+01	2.5026E+01	4.6500E+01	2.6257E+01
9.5	5.0018E+01	3.0468E+01	4.7073E+01	3.1536E+01
9.6	5.0422E+01	3.6289E+01	4.7254E+01	3.7170E+01
9.7	5.0379E+01	4.2482E+01	4.6993E+01	4.3148E+01
9.8	4.9834E+01	4.9031E+01	4.6235E+01	4.9455E+01
9.9	4.8727E+01	5.5916E+01	4.4925E+01	5.6069E+01
10.0	4.6998E+01	6.3112E+01	4.3006E+01	6.2966E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	4.6998E+01	6.3112E+01	4.3006E+01	6.2966E+01
10.1	4.4588E+01	7.0588E+01	4.0418E+01	7.0112E+01
10.2	4.1432E+01	7.8304E+01	3.7103E+01	7.7469E+01
10.3	3.7467E+01	8.6215E+01	3.3000E+01	8.4991E+01
10.4	3.2632E+01	9.4267E+01	2.8050E+01	9.2624E+01
10.5	2.6862E+01	1.0240E+02	2.2194E+01	1.0031E+02
10.6	2.0097E+01	1.1054E+02	1.5373E+01	1.0797E+02
10.7	1.2277E+01	1.1860E+02	7.5339E+00	1.1553E+02
10.8	3.3470E+00	1.2651E+02	-1.3773E+00	1.2291E+02
10.9	-6.7466E+00	1.3416E+02	-1.1408E+01	1.3000E+02
11.0	-1.8051E+01	1.4144E+02	-2.2603E+01	1.3670E+02
11.1	-3.0609E+01	1.4823E+02	-3.4999E+01	1.4289E+02
11.2	-4.4453E+01	1.5440E+02	-4.8626E+01	1.4844E+02
11.3	-5.9610E+01	1.5981E+02	-6.3507E+01	1.5323E+02
11.4	-7.6097E+01	1.6432E+02	-7.9653E+01	1.5709E+02
11.5	-9.3918E+01	1.6775E+02	-9.7066E+01	1.5989E+02
11.6	-1.1307E+02	1.6994E+02	-1.1573E+02	1.6143E+02
11.7	-1.3352E+02	1.7071E+02	-1.3563E+02	1.6157E+02
11.8	-1.5524E+02	1.6987E+02	-1.5672E+02	1.6010E+02
11.9	-1.7817E+02	1.6722E+02	-1.7894E+02	1.5684E+02
12.0	-2.0225E+02	1.6255E+02	-2.0221E+02	1.5160E+02
12.1	-2.2736E+02	1.5565E+02	-2.2643E+02	1.4416E+02
12.2	-2.5340E+02	1.4632E+02	-2.5150E+02	1.3432E+02
12.3	-2.8022E+02	1.3432E+02	-2.7725E+02	1.2187E+02
12.4	-3.0765E+02	1.1943E+02	-3.0353E+02	1.0660E+02
12.5	-3.3550E+02	1.0144E+02	-3.3013E+02	8.8302E+01
12.6	-3.6354E+02	8.0132E+01	-3.5684E+02	6.6761E+01
12.7	-3.9151E+02	5.5285E+01	-3.8339E+02	4.1780E+01
12.8	-4.1913E+02	2.6697E+01	-4.0950E+02	1.3164E+01
12.9	-4.4606E+02	-5.8248E+00	-4.3485E+02	-1.9266E+01
13.0	-4.7195E+02	-4.2460E+01	-4.5909E+02	-5.5679E+01
13.1	-4.9641E+02	-8.3370E+01	-4.8182E+02	-9.6222E+01
13.2	-5.1900E+02	-1.2869E+02	-5.0263E+02	-1.4102E+02
13.3	-5.3926E+02	-1.7854E+02	-5.2105E+02	-1.9017E+02
13.4	-5.5668E+02	-2.3299E+02	-5.3660E+02	-2.4375E+02
13.5	-5.7071E+02	-2.9209E+02	-5.4873E+02	-3.0178E+02
13.6	-5.8079E+02	-3.5585E+02	-5.5689E+02	-3.6426E+02
13.7	-5.8629E+02	-4.2422E+02	-5.6048E+02	-4.3113E+02
13.8	-5.8657E+02	-4.9711E+02	-5.5887E+02	-5.0228E+02
13.9	-5.8095E+02	-5.7436E+02	-5.5141E+02	-5.7756E+02
14.0	-5.6873E+02	-6.5575E+02	-5.3740E+02	-6.5673E+02
14.1	-5.4917E+02	-7.4101E+02	-5.1614E+02	-7.3950E+02
14.2	-5.2153E+02	-8.2976E+02	-4.8690E+02	-8.2550E+02
14.3	-4.8504E+02	-9.2157E+02	-4.4895E+02	-9.1429E+02
14.4	-4.3891E+02	-1.0159E+03	-4.0154E+02	-1.0053E+03
14.5	-3.8237E+02	-1.1121E+03	-3.4391E+02	-1.0979E+03
14.6	-3.1465E+02	-1.2095E+03	-2.7532E+02	-1.1915E+03
14.7	-2.3498E+02	-1.3072E+03	-1.9504E+02	-1.2850E+03
14.8	-1.4261E+02	-1.4042E+03	-1.0237E+02	-1.3777E+03
14.9	-3.6832E+01	-1.4996E+03	3.3630E+00	-1.4684E+03
15.0	8.3012E+01	-1.5921E+03	1.2279E+02	-1.5560E+03

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	8.3012E+01	-1.5921E+03	1.2279E+02	-1.5560E+03
15.1	2.1754E+02	-1.6803E+03	2.5649E+02	-1.6392E+03
15.2	3.6729E+02	-1.7630E+03	4.0496E+02	-1.7165E+03
15.3	5.3272E+02	-1.8384E+03	5.6861E+02	-1.7864E+03
15.4	7.1418E+02	-1.9049E+03	7.4776E+02	-1.8473E+03
15.5	9.1192E+02	-1.9607E+03	9.4261E+02	-1.8973E+03
15.6	1.1261E+03	-2.0037E+03	1.1532E+03	-1.9345E+03
15.7	1.3565E+03	-2.0320E+03	1.3795E+03	-1.9568E+03
15.8	1.6031E+03	-2.0432E+03	1.6212E+03	-1.9622E+03
15.9	1.8654E+03	-2.0351E+03	1.8779E+03	-1.9483E+03
16.0	2.1428E+03	-2.0051E+03	2.1490E+03	-1.9127E+03
16.1	2.4344E+03	-1.9509E+03	2.4334E+03	-1.8530E+03
16.2	2.7391E+03	-1.8696E+03	2.7302E+03	-1.7667E+03
16.3	3.0555E+03	-1.7588E+03	3.0378E+03	-1.6510E+03
16.4	3.3820E+03	-1.6156E+03	3.3545E+03	-1.5035E+03
16.5	3.7164E+03	-1.4372E+03	3.6784E+03	-1.3214E+03
16.6	4.0564E+03	-1.2209E+03	4.0071E+03	-1.1020E+03
16.7	4.3994E+03	-9.6404E+02	4.3377E+03	-8.4269E+02
16.8	4.7421E+03	-6.6382E+02	4.6673E+03	-5.4095E+02
16.9	5.0810E+03	-3.1767E+02	4.9922E+03	-1.9425E+02
17.0	5.4122E+03	7.6864E+01	5.3087E+03	1.9973E+02
17.1	5.7314E+03	5.2208E+02	5.6123E+03	6.4317E+02
17.2	6.0335E+03	1.0201E+03	5.8982E+03	1.1380E+03
17.3	6.3134E+03	1.5726E+03	6.1612E+03	1.6860E+03
17.4	6.5653E+03	2.1812E+03	6.3957E+03	2.2884E+03
17.5	6.7829E+03	2.8470E+03	6.5954E+03	2.9462E+03
17.6	6.9595E+03	3.5706E+03	6.7539E+03	3.6600E+03
17.7	7.0879E+03	4.3522E+03	6.8639E+03	4.4298E+03
17.8	7.1606E+03	5.1914E+03	6.9182E+03	5.2551E+03
17.9	7.1694E+03	6.0872E+03	6.9087E+03	6.1347E+03
18.0	7.1060E+03	7.0379E+03	6.8272E+03	7.0668E+03
18.1	6.9614E+03	8.0407E+03	6.6652E+03	8.0487E+03
18.2	6.7266E+03	9.0925E+03	6.4136E+03	9.0768E+03
18.3	6.3921E+03	1.0189E+04	6.0633E+03	1.0147E+04
18.4	5.9483E+03	1.1324E+04	5.6049E+03	1.1253E+04
18.5	5.3853E+03	1.2492E+04	5.0290E+03	1.2389E+04
18.6	4.6934E+03	1.3684E+04	4.3259E+03	1.3547E+04
18.7	3.8626E+03	1.4893E+04	3.4861E+03	1.4719E+04
18.8	2.8833E+03	1.6107E+04	2.5004E+03	1.5893E+04
18.9	1.7461E+03	1.7315E+04	1.3595E+03	1.7058E+04
19.0	4.4175E+02	1.8503E+04	5.4834E+01	1.8201E+04
19.1	-1.0382E+03	1.9658E+04	-1.4218E+03	1.9307E+04
19.2	-2.7016E+03	2.0762E+04	-3.0779E+03	2.0361E+04
19.3	-4.5556E+03	2.1798E+04	-4.9200E+03	2.1344E+04
19.4	-6.6061E+03	2.2745E+04	-6.9538E+03	2.2238E+04
19.5	-8.8579E+03	2.3584E+04	-9.1836E+03	2.3020E+04
19.6	-1.1314E+04	2.4290E+04	-1.1612E+04	2.3668E+04
19.7	-1.3977E+04	2.4839E+04	-1.4241E+04	2.4159E+04
19.8	-1.6846E+04	2.5205E+04	-1.7070E+04	2.4466E+04
19.9	-1.9919E+04	2.5359E+04	-2.0095E+04	2.4562E+04
20.0	-2.3191E+04	2.5274E+04	-2.3312E+04	2.4418E+04

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	9.9914E-01	2.3482E-03	2.8618E-02	4.0974E-02
0.2	9.9656E-01	9.3808E-03	5.6875E-02	8.2044E-02
0.3	9.9221E-01	2.1062E-02	8.4407E-02	1.2330E-01
0.4	9.8601E-01	3.7330E-02	1.1085E-01	1.6484E-01
0.5	9.7788E-01	5.8100E-02	1.3586E-01	2.0673E-01
0.6	9.6768E-01	8.3261E-02	1.5905E-01	2.4904E-01
0.7	9.5527E-01	1.1268E-01	1.8009E-01	2.9182E-01
0.8	9.4047E-01	1.4618E-01	1.9861E-01	3.3510E-01
0.9	9.2309E-01	1.8359E-01	2.1426E-01	3.7889E-01
1.0	9.0290E-01	2.2467E-01	2.2669E-01	4.2318E-01
1.1	8.7968E-01	2.6918E-01	2.3557E-01	4.6793E-01
1.2	8.5318E-01	3.1684E-01	2.4056E-01	5.1307E-01
1.3	8.2313E-01	3.6734E-01	2.4134E-01	5.5850E-01
1.4	7.8927E-01	4.2033E-01	2.3758E-01	6.0409E-01
1.5	7.5133E-01	4.7543E-01	2.2898E-01	6.4967E-01
1.6	7.0901E-01	5.3223E-01	2.1525E-01	6.9502E-01
1.7	6.6206E-01	5.9027E-01	1.9612E-01	7.3991E-01
1.8	6.1020E-01	6.4907E-01	1.7134E-01	7.8405E-01
1.9	5.5318E-01	7.0810E-01	1.4068E-01	8.2711E-01
2.0	4.9076E-01	7.6680E-01	1.0392E-01	8.6872E-01
2.1	4.2271E-01	8.2457E-01	6.0902E-02	9.0846E-01
2.2	3.4885E-01	8.8078E-01	1.1480E-02	9.4588E-01
2.3	2.6902E-01	9.3473E-01	-4.4448E-02	9.8049E-01
2.4	1.8309E-01	9.8573E-01	-1.0694E-01	1.0117E+00
2.5	9.0979E-02	1.0330E+00	-1.7602E-01	1.0390E+00
2.6	-7.3340E-03	1.0758E+00	-2.5164E-01	1.0618E+00
2.7	-1.1183E-01	1.1133E+00	-3.3372E-01	1.0794E+00
2.8	-2.2241E-01	1.1447E+00	-4.2209E-01	1.0910E+00
2.9	-3.3892E-01	1.1690E+00	-5.1653E-01	1.0961E+00
3.0	-4.6114E-01	1.1855E+00	-6.1676E-01	1.0938E+00
3.1	-5.8875E-01	1.1932E+00	-7.2240E-01	1.0833E+00
3.2	-7.2134E-01	1.1911E+00	-8.3300E-01	1.0640E+00
3.3	-8.5844E-01	1.1784E+00	-9.4803E-01	1.0350E+00
3.4	-9.9945E-01	1.1542E+00	-1.0669E+00	9.9557E-01
3.5	-1.1437E+00	1.1176E+00	-1.1888E+00	9.4487E-01
3.6	-1.2903E+00	1.0676E+00	-1.3129E+00	8.8216E-01
3.7	-1.4385E+00	1.0034E+00	-1.4384E+00	8.0669E-01
3.8	-1.5871E+00	9.2419E-01	-1.5642E+00	7.1776E-01
3.9	-1.7351E+00	8.2921E-01	-1.6892E+00	6.1470E-01
4.0	-1.8812E+00	7.1774E-01	-1.8121E+00	4.9690E-01
4.1	-2.0239E+00	5.8914E-01	-1.9315E+00	3.6383E-01
4.2	-2.1618E+00	4.4287E-01	-2.0460E+00	2.1502E-01
4.3	-2.2933E+00	2.7848E-01	-2.1541E+00	5.0113E-02
4.4	-2.4166E+00	9.5627E-02	-2.2540E+00	-1.3114E-01
4.5	-2.5297E+00	-1.0588E-01	-2.3439E+00	-3.2888E-01
4.6	-2.6309E+00	-3.2609E-01	-2.4220E+00	-5.4309E-01
4.7	-2.7179E+00	-5.6491E-01	-2.4863E+00	-7.7361E-01
4.8	-2.7886E+00	-8.2204E-01	-2.5347E+00	-1.0201E+00
4.9	-2.8408E+00	-1.0970E+00	-2.5652E+00	-1.2821E+00
5.0	-2.8720E+00	-1.3891E+00	-2.5754E+00	-1.5588E+00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-2.8720E+00	-1.3891E+00	-2.5754E+00	-1.5588E+00
5.1	-2.8800E+00	-1.6974E+00	-2.5633E+00	-1.8492E+00
5.2	-2.8623E+00	-2.0207E+00	-2.5265E+00	-2.1524E+00
5.3	-2.8164E+00	-2.3577E+00	-2.4627E+00	-2.4667E+00
5.4	-2.7399E+00	-2.7066E+00	-2.3696E+00	-2.7905E+00
5.5	-2.6303E+00	-3.0653E+00	-2.2450E+00	-3.1220E+00
5.6	-2.4852E+00	-3.4317E+00	-2.0868E+00	-3.4588E+00
5.7	-2.3022E+00	-3.8030E+00	-1.8927E+00	-3.7984E+00
5.8	-2.0793E+00	-4.1765E+00	-1.6608E+00	-4.1380E+00
5.9	-1.8141E+00	-4.5487E+00	-1.3891E+00	-4.4743E+00
6.0	-1.5050E+00	-4.9161E+00	-1.0760E+00	-4.8041E+00
6.1	-1.1500E+00	-5.2747E+00	-7.2003E-01	-5.1234E+00
6.2	-7.4775E-01	-5.6203E+00	-3.1982E-01	-5.4282E+00
6.3	-2.9704E-01	-5.9482E+00	1.2556E-01	-5.7140E+00
6.4	2.0301E-01	-6.2535E+00	6.1677E-01	-5.9762E+00
6.5	7.5289E-01	-6.5309E+00	1.1541E+00	-6.2096E+00
6.6	1.3527E+00	-6.7748E+00	1.7375E+00	-6.4091E+00
6.7	2.0020E+00	-6.9795E+00	2.3663E+00	-6.5691E+00
6.8	2.7000E+00	-7.1387E+00	3.0395E+00	-6.6837E+00
6.9	3.4451E+00	-7.2461E+00	3.7555E+00	-6.7471E+00
7.0	4.2354E+00	-7.2952E+00	4.5122E+00	-6.7529E+00
7.1	5.0680E+00	-7.2793E+00	5.3066E+00	-6.6950E+00
7.2	5.9397E+00	-7.1915E+00	6.1353E+00	-6.5669E+00
7.3	6.8462E+00	-7.0251E+00	6.9942E+00	-6.3623E+00
7.4	7.7826E+00	-6.7732E+00	7.8782E+00	-6.0748E+00
7.5	8.7431E+00	-6.4291E+00	8.7817E+00	-5.6980E+00
7.6	9.7211E+00	-5.9860E+00	9.6980E+00	-5.2260E+00
7.7	1.0709E+01	-5.4377E+00	1.0620E+01	-4.6527E+00
7.8	1.1699E+01	-4.7779E+00	1.1539E+01	-3.9726E+00
7.9	1.2680E+01	-4.0012E+00	1.2445E+01	-3.1807E+00
8.0	1.3644E+01	-3.1023E+00	1.3330E+01	-2.2722E+00
8.1	1.4578E+01	-2.0766E+00	1.4182E+01	-1.2432E+00
8.2	1.5470E+01	-9.2034E-01	1.4988E+01	-9.0486E-02
8.3	1.6308E+01	3.6944E-01	1.5737E+01	1.1885E+00
8.4	1.7076E+01	1.7947E+00	1.6415E+01	2.5953E+00
8.5	1.7760E+01	3.3565E+00	1.7006E+01	4.1301E+00
8.6	1.8345E+01	5.0544E+00	1.7497E+01	5.7923E+00
8.7	1.8813E+01	6.8867E+00	1.7870E+01	7.5797E+00
8.8	1.9147E+01	8.8502E+00	1.8110E+01	9.4887E+00
8.9	1.9330E+01	1.0940E+01	1.8199E+01	1.1514E+01
9.0	1.9342E+01	1.3150E+01	1.8120E+01	1.3649E+01
9.1	1.9166E+01	1.5472E+01	1.7855E+01	1.5885E+01
9.2	1.8782E+01	1.7894E+01	1.7386E+01	1.8211E+01
9.3	1.8170E+01	2.0404E+01	1.6694E+01	2.0614E+01
9.4	1.7313E+01	2.2988E+01	1.5762E+01	2.3080E+01
9.5	1.6191E+01	2.5628E+01	1.4573E+01	2.5591E+01
9.6	1.4787E+01	2.8304E+01	1.3109E+01	2.8127E+01
9.7	1.3081E+01	3.0994E+01	1.1354E+01	3.0666E+01
9.8	1.1060E+01	3.3674E+01	9.2927E+00	3.3184E+01
9.9	8.7060E+00	3.6314E+01	6.9117E+00	3.5654E+01
10.0	6.0071E+00	3.8885E+01	4.1987E+00	3.8046E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	6.0071E+00	3.8885E+01	4.1987E+00	3.8046E+01
10.1	2.9511E+00	4.1355E+01	1.1432E+00	4.0327E+01
10.2	-4.7131E-01	4.3687E+01	-2.2629E+00	4.2463E+01
10.3	-4.2670E+00	4.5842E+01	-6.0251E+00	4.4416E+01
10.4	-8.4399E+00	4.7781E+01	-1.0146E+01	4.6146E+01
10.5	-1.2991E+01	4.9459E+01	-1.4625E+01	4.7613E+01
10.6	-1.7916E+01	5.0831E+01	-1.9459E+01	4.8770E+01
10.7	-2.3210E+01	5.1849E+01	-2.4638E+01	4.9572E+01
10.8	-2.8860E+01	5.2464E+01	-3.0150E+01	4.9973E+01
10.9	-3.4849E+01	5.2625E+01	-3.5979E+01	4.9921E+01
11.0	-4.1157E+01	5.2279E+01	-4.2101E+01	4.9367E+01
11.1	-4.7757E+01	5.1373E+01	-4.8489E+01	4.8261E+01
11.2	-5.4614E+01	4.9853E+01	-5.5110E+01	4.6550E+01
11.3	-6.1691E+01	4.7666E+01	-6.1923E+01	4.4184E+01
11.4	-6.8940E+01	4.4759E+01	-6.8884E+01	4.1112E+01
11.5	-7.6309E+01	4.1080E+01	-7.5938E+01	3.7287E+01
11.6	-8.3739E+01	3.6580E+01	-8.3026E+01	3.2659E+01
11.7	-9.1161E+01	3.1210E+01	-9.0082E+01	2.7187E+01
11.8	-9.8500E+01	2.4926E+01	-9.7031E+01	2.0827E+01
11.9	-1.0567E+02	1.7690E+01	-1.0379E+02	1.3544E+01
12.0	-1.1259E+02	9.4649E+00	-1.1028E+02	5.3063E+00
12.1	-1.1916E+02	2.2306E-01	-1.1639E+02	-3.9124E+00
12.2	-1.2527E+02	-1.0058E+01	-1.2202E+02	-1.4131E+01
12.3	-1.3080E+02	-2.1392E+01	-1.2707E+02	-2.5360E+01
12.4	-1.3565E+02	-3.3785E+01	-1.3142E+02	-3.7601E+01
12.5	-1.3968E+02	-4.7233E+01	-1.3494E+02	-5.0848E+01
12.6	-1.4275E+02	-6.1718E+01	-1.3750E+02	-6.5081E+01
12.7	-1.4474E+02	-7.7213E+01	-1.3897E+02	-8.0270E+01
12.8	-1.4550E+02	-9.3678E+01	-1.3922E+02	-9.6371E+01
12.9	-1.4487E+02	-1.1106E+02	-1.3809E+02	-1.1333E+02
13.0	-1.4272E+02	-1.2928E+02	-1.3545E+02	-1.3106E+02
13.1	-1.3889E+02	-1.4825E+02	-1.3115E+02	-1.4949E+02
13.2	-1.3323E+02	-1.6787E+02	-1.2505E+02	-1.6850E+02
13.3	-1.2558E+02	-1.8802E+02	-1.1699E+02	-1.8798E+02
13.4	-1.1580E+02	-2.0855E+02	-1.0684E+02	-2.0777E+02
13.5	-1.0375E+02	-2.2930E+02	-9.4470E+01	-2.2771E+02
13.6	-8.9288E+01	-2.5009E+02	-7.9738E+01	-2.4763E+02
13.7	-7.2287E+01	-2.7070E+02	-6.2529E+01	-2.6732E+02
13.8	-5.2630E+01	-2.9092E+02	-4.2734E+01	-2.8655E+02
13.9	-3.0212E+01	-3.1049E+02	-2.0257E+01	-3.0507E+02
14.0	-4.9469E+00	-3.2914E+02	4.9820E+00	-3.2263E+02
14.1	2.3236E+01	-3.4658E+02	3.3044E+01	-3.3893E+02
14.2	5.4383E+01	-3.6250E+02	6.3968E+01	-3.5367E+02
14.3	8.8519E+01	-3.7656E+02	9.7770E+01	-3.6651E+02
14.4	1.2564E+02	-3.8840E+02	1.3444E+02	-3.7712E+02
14.5	1.6571E+02	-3.9767E+02	1.7393E+02	-3.8512E+02
14.6	2.0866E+02	-4.0396E+02	2.1617E+02	-3.9015E+02
14.7	2.5438E+02	-4.0687E+02	2.6104E+02	-3.9180E+02
14.8	3.0274E+02	-4.0600E+02	3.0840E+02	-3.8968E+02
14.9	3.5353E+02	-4.0091E+02	3.5804E+02	-3.8337E+02
15.0	4.0653E+02	-3.9117E+02	4.0974E+02	-3.7247E+02

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	4.0653E+02	-3.9117E+02	4.0974E+02	-3.7247E+02
15.1	4.6145E+02	-3.7636E+02	4.6320E+02	-3.5654E+02
15.2	5.1796E+02	-3.5604E+02	5.1808E+02	-3.3518E+02
15.3	5.7566E+02	-3.2980E+02	5.7399E+02	-3.0798E+02
15.4	6.3410E+02	-2.9720E+02	6.3048E+02	-2.7455E+02
15.5	6.9278E+02	-2.5787E+02	6.8705E+02	-2.3450E+02
15.6	7.5114E+02	-2.1142E+02	7.4314E+02	-1.8749E+02
15.7	8.0853E+02	-1.5752E+02	7.9811E+02	-1.3319E+02
15.8	8.6427E+02	-9.5851E+01	8.5129E+02	-7.1315E+01
15.9	9.1761E+02	-2.6153E+01	9.0193E+02	-1.6183E+00
16.0	9.6772E+02	5.1788E+01	9.4922E+02	7.6092E+01
16.1	1.0137E+03	1.3813E+02	9.9229E+02	1.6195E+02
16.2	1.0547E+03	2.3295E+02	1.0302E+03	2.5602E+02
16.3	1.0896E+03	3.3627E+02	1.0621E+03	3.5828E+02
16.4	1.1175E+03	4.4801E+02	1.0868E+03	4.6866E+02
16.5	1.1371E+03	5.6800E+02	1.1032E+03	5.8696E+02
16.6	1.1475E+03	6.9598E+02	1.1104E+03	7.1289E+02
16.7	1.1473E+03	8.3155E+02	1.1071E+03	8.4605E+02
16.8	1.1355E+03	9.7422E+02	1.0921E+03	9.8592E+02
16.9	1.1107E+03	1.1233E+03	1.0643E+03	1.1319E+03
17.0	1.0717E+03	1.2781E+03	1.0225E+03	1.2831E+03
17.1	1.0174E+03	1.4377E+03	9.6545E+02	1.4386E+03
17.2	9.4638E+02	1.6010E+03	8.9199E+02	1.5975E+03
17.3	8.5758E+02	1.7667E+03	8.0098E+02	1.7583E+03
17.4	7.4982E+02	1.9334E+03	6.9132E+02	1.9198E+03
17.5	6.2201E+02	2.0996E+03	5.6197E+02	2.0803E+03
17.6	4.7315E+02	2.2635E+03	4.1197E+02	2.2382E+03
17.7	3.0231E+02	2.4232E+03	2.4047E+02	2.3914E+03
17.8	1.0871E+02	2.5765E+03	4.6721E+01	2.5379E+03
17.9	-1.0831E+02	2.7212E+03	-1.6987E+02	2.6755E+03
18.0	-3.4924E+02	2.8547E+03	-4.0973E+02	2.8016E+03
18.1	-6.1437E+02	2.9745E+03	-6.7312E+02	2.9137E+03
18.2	-9.0380E+02	3.0777E+03	-9.6006E+02	3.0090E+03
18.3	-1.2174E+03	3.1614E+03	-1.2704E+03	3.0846E+03
18.4	-1.5547E+03	3.2224E+03	-1.6036E+03	3.1375E+03
18.5	-1.9151E+03	3.2575E+03	-1.9589E+03	3.1644E+03
18.6	-2.2975E+03	3.2633E+03	-2.3353E+03	3.1621E+03
18.7	-2.7005E+03	3.2365E+03	-2.7315E+03	3.1272E+03
18.8	-3.1225E+03	3.1734E+03	-3.1455E+03	3.0564E+03
18.9	-3.5613E+03	3.0706E+03	-3.5753E+03	2.9461E+03
19.0	-4.0144E+03	2.9244E+03	-4.0183E+03	2.7928E+03
19.1	-4.4787E+03	2.7315E+03	-4.4716E+03	2.5933E+03
19.2	-4.9510E+03	2.4882E+03	-4.9316E+03	2.3442E+03
19.3	-5.4271E+03	2.1914E+03	-5.3944E+03	2.0422E+03
19.4	-5.9028E+03	1.8377E+03	-5.8557E+03	1.6843E+03
19.5	-6.3731E+03	1.4243E+03	-6.3105E+03	1.2677E+03
19.6	-6.8325E+03	9.4841E+02	-6.7535E+03	7.8977E+02
19.7	-7.2751E+03	4.0771E+02	-7.1787E+03	2.4835E+02
19.8	-7.6945E+03	-1.9979E+02	-7.5798E+03	-3.5842E+02
19.9	-8.0835E+03	-8.7562E+02	-7.9497E+03	-1.0319E+03
20.0	-8.4348E+03	-1.6208E+03	-8.2812E+03	-1.7730E+03

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	9.9875E-01	2.1637E-03	2.4938E-02	4.3301E-02
0.2	9.9499E-01	8.6386E-03	4.9500E-02	8.6602E-02
0.3	9.8869E-01	1.9376E-02	7.3316E-02	1.2990E-01
0.4	9.7980E-01	3.4295E-02	9.6013E-02	1.7318E-01
0.5	9.6827E-01	5.3281E-02	1.1723E-01	2.1644E-01
0.6	9.5401E-01	7.6189E-02	1.3660E-01	2.5963E-01
0.7	9.3693E-01	1.0284E-01	1.5378E-01	3.0273E-01
0.8	9.1691E-01	1.3302E-01	1.6843E-01	3.4568E-01
0.9	8.9385E-01	1.6649E-01	1.8022E-01	3.8840E-01
1.0	8.6762E-01	2.0298E-01	1.8883E-01	4.3080E-01
1.1	8.3807E-01	2.4217E-01	1.9396E-01	4.7277E-01
1.2	8.0508E-01	2.8373E-01	1.9533E-01	5.1417E-01
1.3	7.6850E-01	3.2730E-01	1.9269E-01	5.5484E-01
1.4	7.2820E-01	3.7245E-01	1.8577E-01	5.9458E-01
1.5	6.8405E-01	4.1878E-01	1.7439E-01	6.3320E-01
1.6	6.3593E-01	4.6582E-01	1.5834E-01	6.7043E-01
1.7	5.8373E-01	5.1308E-01	1.3746E-01	7.0603E-01
1.8	5.2736E-01	5.6006E-01	1.1163E-01	7.3968E-01
1.9	4.6676E-01	6.0620E-01	8.0763E-02	7.7108E-01
2.0	4.0188E-01	6.5096E-01	4.4798E-02	7.9986E-01
2.1	3.3270E-01	6.9375E-01	3.7232E-03	8.2566E-01
2.2	2.5925E-01	7.3397E-01	-4.2431E-02	8.4809E-01
2.3	1.8159E-01	7.7100E-01	-9.3589E-02	8.6672E-01
2.4	9.9813E-02	8.0422E-01	-1.4963E-01	8.8113E-01
2.5	1.4068E-02	8.3299E-01	-2.1037E-01	8.9086E-01
2.6	-7.5450E-02	8.5666E-01	-2.7558E-01	8.9544E-01
2.7	-1.6849E-01	8.7458E-01	-3.4499E-01	8.9441E-01
2.8	-2.6475E-01	8.8613E-01	-4.1823E-01	8.8730E-01
2.9	-3.6387E-01	8.9067E-01	-4.9492E-01	8.7364E-01
3.0	-4.6541E-01	8.8757E-01	-5.7459E-01	8.5294E-01
3.1	-5.6889E-01	8.7624E-01	-6.5670E-01	8.2477E-01
3.2	-6.7374E-01	8.5612E-01	-7.4067E-01	7.8868E-01
3.3	-7.7934E-01	8.2665E-01	-8.2584E-01	7.4426E-01
3.4	-8.8499E-01	7.8734E-01	-9.1148E-01	6.9113E-01
3.5	-9.8993E-01	7.3775E-01	-9.9682E-01	6.2895E-01
3.6	-1.0933E+00	6.7746E-01	-1.0810E+00	5.5741E-01
3.7	-1.1943E+00	6.0615E-01	-1.1631E+00	4.7629E-01
3.8	-1.2918E+00	5.2355E-01	-1.2422E+00	3.8538E-01
3.9	-1.3849E+00	4.2948E-01	-1.3173E+00	2.8459E-01
4.0	-1.4724E+00	3.2384E-01	-1.3872E+00	1.7387E-01
4.1	-1.5533E+00	2.0662E-01	-1.4509E+00	5.3277E-02
4.2	-1.6263E+00	7.7924E-02	-1.5071E+00	-7.7046E-02
4.3	-1.6903E+00	-6.2038E-02	-1.5548E+00	-2.1685E-01
4.4	-1.7438E+00	-2.1293E-01	-1.5927E+00	-3.6579E-01
4.5	-1.7858E+00	-3.7430E-01	-1.6195E+00	-5.2339E-01
4.6	-1.8147E+00	-5.4556E-01	-1.6340E+00	-6.8904E-01
4.7	-1.8294E+00	-7.2596E-01	-1.6350E+00	-8.6203E-01
4.8	-1.8285E+00	-9.1464E-01	-1.6213E+00	-1.0415E+00
4.9	-1.8107E+00	-1.1106E+00	-1.5915E+00	-1.2264E+00
5.0	-1.7748E+00	-1.3125E+00	-1.5446E+00	-1.4157E+00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-1.7748E+00	-1.3125E+00	-1.5446E+00	-1.4157E+00
5.1	-1.7195E+00	-1.5192E+00	-1.4795E+00	-1.6080E+00
5.2	-1.6438E+00	-1.7290E+00	-1.3951E+00	-1.8019E+00
5.3	-1.5466E+00	-1.9404E+00	-1.2904E+00	-1.9958E+00
5.4	-1.4269E+00	-2.1515E+00	-1.1647E+00	-2.1879E+00
5.5	-1.2839E+00	-2.3603E+00	-1.0171E+00	-2.3764E+00
5.6	-1.1168E+00	-2.5646E+00	-8.4712E-01	-2.5592E+00
5.7	-9.2517E-01	-2.7621E+00	-6.5424E-01	-2.7341E+00
5.8	-7.0858E-01	-2.9505E+00	-4.3821E-01	-2.8989E+00
5.9	-4.6686E-01	-3.1270E+00	-1.9896E-01	-3.0511E+00
6.0	-2.0005E-01	-3.2891E+00	6.3382E-02	-3.1882E+00
6.1	9.1558E-02	-3.4339E+00	3.4845E-01	-3.3075E+00
6.2	4.0745E-01	-3.5585E+00	6.5564E-01	-3.4064E+00
6.3	7.4681E-01	-3.6600E+00	9.8406E-01	-3.4820E+00
6.4	1.1085E+00	-3.7353E+00	1.3326E+00	-3.5315E+00
6.5	1.4912E+00	-3.7813E+00	1.6997E+00	-3.5522E+00
6.6	1.8931E+00	-3.7951E+00	2.0837E+00	-3.5411E+00
6.7	2.3122E+00	-3.7735E+00	2.4825E+00	-3.4956E+00
6.8	2.7460E+00	-3.7137E+00	2.8935E+00	-3.4128E+00
6.9	3.1917E+00	-3.6127E+00	3.3142E+00	-3.2901E+00
7.0	3.6461E+00	-3.4678E+00	3.7413E+00	-3.1251E+00
7.1	4.1058E+00	-3.2763E+00	4.1713E+00	-2.9153E+00
7.2	4.5668E+00	-3.0360E+00	4.6005E+00	-2.6588E+00
7.3	5.0249E+00	-2.7447E+00	5.0246E+00	-2.3535E+00
7.4	5.4753E+00	-2.4005E+00	5.4392E+00	-1.9979E+00
7.5	5.9131E+00	-2.0020E+00	5.8393E+00	-1.5908E+00
7.6	6.3329E+00	-1.5479E+00	6.2197E+00	-1.1313E+00
7.7	6.7291E+00	-1.0377E+00	6.5751E+00	-6.1887E-01
7.8	7.0956E+00	-4.7098E-01	6.8996E+00	-5.3558E-02
7.9	7.4262E+00	1.5184E-01	7.1873E+00	5.6414E-01
8.0	7.7144E+00	8.2992E-01	7.4319E+00	1.2331E+00
8.1	7.9536E+00	1.5618E+00	7.6270E+00	1.9518E+00
8.2	8.1368E+00	2.3453E+00	7.7662E+00	2.7179E+00
8.3	8.2571E+00	3.1777E+00	7.8429E+00	3.5283E+00
8.4	8.3076E+00	4.0553E+00	7.8504E+00	4.3794E+00
8.5	8.2813E+00	4.9738E+00	7.7822E+00	5.2669E+00
8.6	8.1713E+00	5.9280E+00	7.6318E+00	6.1854E+00
8.7	7.9709E+00	6.9120E+00	7.3930E+00	7.1290E+00
8.8	7.6737E+00	7.9190E+00	7.0598E+00	8.0909E+00
8.9	7.2736E+00	8.9412E+00	6.6265E+00	9.0635E+00
9.0	6.7647E+00	9.9701E+00	6.0879E+00	1.0038E+01
9.1	6.1420E+00	1.0996E+01	5.4393E+00	1.1006E+01
9.2	5.4010E+00	1.2009E+01	4.6767E+00	1.1956E+01
9.3	4.5377E+00	1.2998E+01	3.7967E+00	1.2879E+01
9.4	3.5492E+00	1.3951E+01	2.7968E+00	1.3761E+01
9.5	2.4334E+00	1.4854E+01	1.6755E+00	1.4591E+01
9.6	1.1893E+00	1.5695E+01	4.3211E-01	1.5356E+01
9.7	-1.8293E-01	1.6460E+01	-9.3268E-01	1.6042E+01
9.8	-1.6819E+00	1.7133E+01	-2.4170E+00	1.6635E+01
9.9	-3.3047E+00	1.7699E+01	-4.0178E+00	1.7120E+01
10.0	-5.0472E+00	1.8144E+01	-5.7302E+00	1.7482E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	-5.0472E+00	1.8144E+01	-5.7302E+00	1.7482E+01
10.1	-6.9034E+00	1.8450E+01	-7.5481E+00	1.7705E+01
10.2	-8.8658E+00	1.8602E+01	-9.4638E+00	1.7775E+01
10.3	-1.0925E+01	1.8583E+01	-1.1468E+01	1.7676E+01
10.4	-1.3070E+01	1.8378E+01	-1.3548E+01	1.7393E+01
10.5	-1.5288E+01	1.7970E+01	-1.5692E+01	1.6911E+01
10.6	-1.7563E+01	1.7346E+01	-1.7885E+01	1.6215E+01
10.7	-1.9879E+01	1.6489E+01	-2.0110E+01	1.5293E+01
10.8	-2.2216E+01	1.5388E+01	-2.2347E+01	1.4131E+01
10.9	-2.4554E+01	1.4028E+01	-2.4575E+01	1.2718E+01
11.0	-2.6868E+01	1.2399E+01	-2.6773E+01	1.1045E+01
11.1	-2.9135E+01	1.0492E+01	-2.8914E+01	9.1013E+00
11.2	-3.1327E+01	8.2991E+00	-3.0974E+01	6.8816E+00
11.3	-3.3415E+01	5.8142E+00	-3.2922E+01	4.3811E+00
11.4	-3.5367E+01	3.0344E+00	-3.4729E+01	1.5976E+00
11.5	-3.7153E+01	-4.1006E-02	-3.6364E+01	-1.4687E+00
11.6	-3.8738E+01	-3.4097E+00	-3.7794E+01	-4.8145E+00
11.7	-4.0087E+01	-7.0662E+00	-3.8984E+01	-8.4336E+00
11.8	-4.1163E+01	-1.1002E+01	-3.9900E+01	-1.2316E+01
11.9	-4.1931E+01	-1.5204E+01	-4.0507E+01	-1.6450E+01
12.0	-4.2352E+01	-1.9657E+01	-4.0767E+01	-2.0817E+01
12.1	-4.2390E+01	-2.4339E+01	-4.0646E+01	-2.5397E+01
12.2	-4.2006E+01	-2.9227E+01	-4.0107E+01	-3.0164E+01
12.3	-4.1164E+01	-3.4292E+01	-3.9115E+01	-3.5090E+01
12.4	-3.9828E+01	-3.9499E+01	-3.7637E+01	-4.0140E+01
12.5	-3.7964E+01	-4.4811E+01	-3.5639E+01	-4.5277E+01
12.6	-3.5539E+01	-5.0185E+01	-3.3091E+01	-5.0458E+01
12.7	-3.2524E+01	-5.5572E+01	-2.9966E+01	-5.5634E+01
12.8	-2.8891E+01	-6.0920E+01	-2.6239E+01	-6.0754E+01
12.9	-2.4618E+01	-6.6172E+01	-2.1887E+01	-6.5761E+01
13.0	-1.9684E+01	-7.1266E+01	-1.6895E+01	-7.0594E+01
13.1	-1.4076E+01	-7.6135E+01	-1.1249E+01	-7.5188E+01
13.2	-7.7839E+00	-8.0709E+01	-4.9424E+00	-7.9474E+01
13.3	-8.0482E-01	-8.4913E+01	2.0261E+00	-8.3379E+01
13.4	6.8580E+00	-8.8669E+01	9.6512E+00	-8.6825E+01
13.5	1.5194E+01	-9.1896E+01	1.7920E+01	-8.9735E+01
13.6	2.4185E+01	-9.4510E+01	2.6814E+01	-9.2026E+01
13.7	3.3805E+01	-9.6426E+01	3.6303E+01	-9.3616E+01
13.8	4.4017E+01	-9.7555E+01	4.6352E+01	-9.4419E+01
13.9	5.4777E+01	-9.7810E+01	5.6913E+01	-9.4350E+01
14.0	6.6030E+01	-9.7103E+01	6.7932E+01	-9.3326E+01
14.1	7.7711E+01	-9.5348E+01	7.9341E+01	-9.1263E+01
14.2	8.9744E+01	-9.2459E+01	9.1065E+01	-8.8080E+01
14.3	1.0204E+02	-8.8356E+01	1.0302E+02	-8.3699E+01
14.4	1.1451E+02	-8.2961E+01	1.1510E+02	-7.8047E+01
14.5	1.2703E+02	-7.6203E+01	1.2720E+02	-7.1056E+01
14.6	1.3949E+02	-6.8015E+01	1.3920E+02	-6.2666E+01
14.7	1.5176E+02	-5.8341E+01	1.5098E+02	-5.2822E+01
14.8	1.6369E+02	-4.7133E+01	1.6238E+02	-4.1482E+01
14.9	1.7513E+02	-3.4353E+01	1.7326E+02	-2.8614E+01
15.0	1.8592E+02	-1.9978E+01	1.8346E+02	-1.4195E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	1.8592E+02	-1.9978E+01	1.8346E+02	-1.4195E+01
15.1	1.9588E+02	-3.9945E+00	1.9281E+02	1.7797E+00
15.2	2.0483E+02	1.3592E+01	2.0113E+02	1.9303E+01
15.3	2.1258E+02	3.2763E+01	2.0823E+02	3.8351E+01
15.4	2.1894E+02	5.3478E+01	2.1393E+02	5.8881E+01
15.5	2.2371E+02	7.5681E+01	2.1802E+02	8.0833E+01
15.6	2.2668E+02	9.9294E+01	2.2031E+02	1.0412E+02
15.7	2.2764E+02	1.2422E+02	2.2060E+02	1.2865E+02
15.8	2.2638E+02	1.5032E+02	2.1868E+02	1.5429E+02
15.9	2.2271E+02	1.7747E+02	2.1436E+02	1.8089E+02
16.0	2.1642E+02	2.0548E+02	2.0745E+02	2.0827E+02
16.1	2.0732E+02	2.3416E+02	1.9776E+02	2.3625E+02
16.2	1.9522E+02	2.6328E+02	1.8512E+02	2.6458E+02
16.3	1.7995E+02	2.9259E+02	1.6935E+02	2.9303E+02
16.4	1.6135E+02	3.2181E+02	1.5031E+02	3.2132E+02
16.5	1.3928E+02	3.5065E+02	1.2787E+02	3.4914E+02
16.6	1.1363E+02	3.7876E+02	1.0192E+02	3.7616E+02
16.7	8.4295E+01	4.0580E+02	7.2376E+01	4.0204E+02
16.8	5.1215E+01	4.3137E+02	3.9183E+01	4.2640E+02
16.9	1.4354E+01	4.5508E+02	2.3133E+00	4.4884E+02
17.0	-2.6288E+01	4.7651E+02	-3.8223E+01	4.6894E+02
17.1	-7.0672E+01	4.9521E+02	-8.2378E+01	4.8627E+02
17.2	-1.1872E+02	5.1071E+02	-1.3006E+02	5.0038E+02
17.3	-1.7030E+02	5.2256E+02	-1.8114E+02	5.1081E+02
17.4	-2.2524E+02	5.3026E+02	-2.3544E+02	5.1708E+02
17.5	-2.8332E+02	5.3332E+02	-2.9272E+02	5.1872E+02
17.6	-3.4425E+02	5.3127E+02	-3.5270E+02	5.1525E+02
17.7	-4.0771E+02	5.2360E+02	-4.1503E+02	5.0621E+02
17.8	-4.7329E+02	5.0984E+02	-4.7932E+02	4.9112E+02
17.9	-5.4054E+02	4.8954E+02	-5.4512E+02	4.6955E+02
18.0	-6.0895E+02	4.6224E+02	-6.1189E+02	4.4107E+02
18.1	-6.7792E+02	4.2753E+02	-6.7907E+02	4.0527E+02
18.2	-7.4682E+02	3.8503E+02	-7.4601E+02	3.6181E+02
18.3	-8.1494E+02	3.3439E+02	-8.1200E+02	3.1035E+02
18.4	-8.8151E+02	2.7533E+02	-8.7628E+02	2.5062E+02
18.5	-9.4569E+02	2.0761E+02	-9.3803E+02	1.8241E+02
18.6	-1.0066E+03	1.3105E+02	-9.9637E+02	1.0557E+02
18.7	-1.0633E+03	4.5568E+01	-1.0504E+03	2.0019E+01
18.8	-1.1148E+03	-4.8863E+01	-1.0990E+03	-7.4238E+01
18.9	-1.1600E+03	-1.5217E+02	-1.1413E+03	-1.7711E+02
19.0	-1.1979E+03	-2.6419E+02	-1.1762E+03	-2.8842E+02
19.1	-1.2273E+03	-3.8463E+02	-1.2026E+03	-4.0786E+02
19.2	-1.2471E+03	-5.1312E+02	-1.2194E+03	-5.3503E+02
19.3	-1.2562E+03	-6.4914E+02	-1.2254E+03	-6.6940E+02
19.4	-1.2533E+03	-7.9206E+02	-1.2195E+03	-8.1034E+02
19.5	-1.2374E+03	-9.4111E+02	-1.2006E+03	-9.5705E+02
19.6	-1.2072E+03	-1.0954E+03	-1.1675E+03	-1.1086E+03
19.7	-1.1617E+03	-1.2538E+03	-1.1193E+03	-1.2640E+03
19.8	-1.0999E+03	-1.4152E+03	-1.0548E+03	-1.4220E+03
19.9	-1.0206E+03	-1.5782E+03	-9.7318E+02	-1.5812E+03
20.0	-9.2302E+02	-1.7414E+03	-8.7347E+02	-1.7401E+03

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	9.9839E-01	1.9136E-03	2.1071E-02	4.5299E-02
0.2	9.9357E-01	7.6358E-03	4.1780E-02	9.0501E-02
0.3	9.8552E-01	1.7112E-02	6.1768E-02	1.3551E-01
0.4	9.7422E-01	3.0249E-02	8.0682E-02	1.8021E-01
0.5	9.5966E-01	4.6919E-02	9.8175E-02	2.2451E-01
0.6	9.4181E-01	6.6960E-02	1.1391E-01	2.6828E-01
0.7	9.2065E-01	9.0172E-02	1.2757E-01	3.1141E-01
0.8	8.9614E-01	1.1632E-01	1.3884E-01	3.5376E-01
0.9	8.6825E-01	1.4514E-01	1.4743E-01	3.9519E-01
1.0	8.3696E-01	1.7634E-01	1.5307E-01	4.3554E-01
1.1	8.0224E-01	2.0959E-01	1.5551E-01	4.7464E-01
1.2	7.6407E-01	2.4453E-01	1.5454E-01	5.1231E-01
1.3	7.2244E-01	2.8077E-01	1.4995E-01	5.4835E-01
1.4	6.7735E-01	3.1792E-01	1.4159E-01	5.8255E-01
1.5	6.2882E-01	3.5553E-01	1.2931E-01	6.1470E-01
1.6	5.7687E-01	3.9316E-01	1.1303E-01	6.4454E-01
1.7	5.2156E-01	4.3034E-01	9.2665E-02	6.7184E-01
1.8	4.6295E-01	4.6658E-01	6.8204E-02	6.9633E-01
1.9	4.0114E-01	5.0139E-01	3.9656E-02	7.1773E-01
2.0	3.3625E-01	5.3426E-01	7.0786E-03	7.3577E-01
2.1	2.6843E-01	5.6469E-01	-2.9431E-02	7.5016E-01
2.2	1.9785E-01	5.9216E-01	-6.9732E-02	7.6062E-01
2.3	1.2474E-01	6.1617E-01	-1.1364E-01	7.6683E-01
2.4	4.9339E-02	6.3622E-01	-1.6091E-01	7.6853E-01
2.5	-2.8064E-02	6.5180E-01	-2.1128E-01	7.6541E-01
2.6	-1.0714E-01	6.6246E-01	-2.6441E-01	7.5721E-01
2.7	-1.8754E-01	6.6773E-01	-3.1994E-01	7.4365E-01
2.8	-2.6884E-01	6.6718E-01	-3.7745E-01	7.2449E-01
2.9	-3.5061E-01	6.6042E-01	-4.3648E-01	6.9949E-01
3.0	-4.3236E-01	6.4708E-01	-4.9652E-01	6.6845E-01
3.1	-5.1356E-01	6.2682E-01	-5.5702E-01	6.3120E-01
3.2	-5.9366E-01	5.9937E-01	-6.1740E-01	5.8758E-01
3.3	-6.7205E-01	5.6450E-01	-6.7704E-01	5.3750E-01
3.4	-7.4809E-01	5.2203E-01	-7.3527E-01	4.8089E-01
3.5	-8.2113E-01	4.7185E-01	-7.9141E-01	4.1774E-01
3.6	-8.9047E-01	4.1388E-01	-8.4474E-01	3.4808E-01
3.7	-9.5539E-01	3.4817E-01	-8.9452E-01	2.7202E-01
3.8	-1.0151E+00	2.7478E-01	-9.3999E-01	1.8970E-01
3.9	-1.0690E+00	1.9388E-01	-9.8040E-01	1.0134E-01
4.0	-1.1161E+00	1.0573E-01	-1.0150E+00	7.2322E-03
4.1	-1.1558E+00	1.0645E-02	-1.0429E+00	-9.2263E-02
4.2	-1.1873E+00	-9.0953E-02	-1.0635E+00	-1.9671E-01
4.3	-1.2098E+00	-1.9856E-01	-1.0759E+00	-3.0561E-01
4.4	-1.2226E+00	-3.1159E-01	-1.0794E+00	-4.1836E-01
4.5	-1.2250E+00	-4.2934E-01	-1.0734E+00	-5.3430E-01
4.6	-1.2163E+00	-5.5105E-01	-1.0572E+00	-6.5268E-01
4.7	-1.1958E+00	-6.7584E-01	-1.0302E+00	-7.7267E-01
4.8	-1.1631E+00	-8.0276E-01	-9.9179E-01	-8.9337E-01
4.9	-1.1176E+00	-9.3076E-01	-9.4153E-01	-1.0138E+00
5.0	-1.0588E+00	-1.0587E+00	-8.7899E-01	-1.1329E+00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-1.0588E+00	-1.0587E+00	-8.7899E-01	-1.1329E+00
5.1	-9.8641E-01	-1.1854E+00	-8.0386E-01	-1.2495E+00
5.2	-9.0017E-01	-1.3096E+00	-7.1591E-01	-1.3625E+00
5.3	-7.9992E-01	-1.4299E+00	-6.1501E-01	-1.4705E+00
5.4	-6.8561E-01	-1.5449E+00	-5.0114E-01	-1.5724E+00
5.5	-5.5732E-01	-1.6531E+00	-3.7442E-01	-1.6667E+00
5.6	-4.1525E-01	-1.7531E+00	-2.3508E-01	-1.7521E+00
5.7	-2.5975E-01	-1.8433E+00	-8.3499E-02	-1.8271E+00
5.8	-9.1313E-02	-1.9222E+00	7.9818E-02	-1.8904E+00
5.9	8.9407E-02	-1.9881E+00	2.5420E-01	-1.9404E+00
6.0	2.8161E-01	-2.0396E+00	4.3883E-01	-1.9759E+00
6.1	4.8431E-01	-2.0751E+00	6.3272E-01	-1.9955E+00
6.2	6.9638E-01	-2.0931E+00	8.3474E-01	-1.9977E+00
6.3	9.1650E-01	-2.0922E+00	1.0436E+00	-1.9813E+00
6.4	1.1432E+00	-2.0709E+00	1.2578E+00	-1.9451E+00
6.5	1.3748E+00	-2.0282E+00	1.4757E+00	-1.8880E+00
6.6	1.6095E+00	-1.9627E+00	1.6956E+00	-1.8089E+00
6.7	1.8453E+00	-1.8734E+00	1.9155E+00	-1.7071E+00
6.8	2.0801E+00	-1.7595E+00	2.1332E+00	-1.5816E+00
6.9	2.3115E+00	-1.6202E+00	2.3467E+00	-1.4320E+00
7.0	2.5372E+00	-1.4550E+00	2.5535E+00	-1.2580E+00
7.1	2.7545E+00	-1.2636E+00	2.7511E+00	-1.0592E+00
7.2	2.9608E+00	-1.0459E+00	2.9370E+00	-8.3569E-01
7.3	3.1533E+00	-8.0197E-01	3.1084E+00	-5.8780E-01
7.4	3.3291E+00	-5.3230E-01	3.2628E+00	-3.1602E-01
7.5	3.4854E+00	-2.3754E-01	3.3972E+00	-2.1120E-02
7.6	3.6191E+00	8.1322E-02	3.5089E+00	2.9583E-01
7.7	3.7274E+00	4.2301E-01	3.5951E+00	6.3347E-01
7.8	3.8072E+00	7.8593E-01	3.6530E+00	9.9015E-01
7.9	3.8557E+00	1.1682E+00	3.6799E+00	1.3639E+00
8.0	3.8701E+00	1.5674E+00	3.6731E+00	1.7524E+00
8.1	3.8476E+00	1.9812E+00	3.6302E+00	2.1532E+00
8.2	3.7858E+00	2.4064E+00	3.5488E+00	2.5631E+00
8.3	3.6822E+00	2.8399E+00	3.4268E+00	2.9791E+00
8.4	3.5348E+00	3.2781E+00	3.2621E+00	3.3976E+00
8.5	3.3415E+00	3.7170E+00	3.0532E+00	3.8147E+00
8.6	3.1009E+00	4.1525E+00	2.7986E+00	4.2263E+00
8.7	2.8117E+00	4.5800E+00	2.4972E+00	4.6280E+00
8.8	2.4729E+00	4.9947E+00	2.1485E+00	5.0151E+00
8.9	2.0841E+00	5.3916E+00	1.7520E+00	5.3827E+00
9.0	1.6454E+00	5.7655E+00	1.3081E+00	5.7259E+00
9.1	1.1570E+00	6.1108E+00	8.1729E-01	6.0393E+00
9.2	6.2017E-01	6.4222E+00	2.8075E-01	6.3176E+00
9.3	3.6249E-02	6.6938E+00	-2.9984E-01	6.5554E+00
9.4	-5.9261E-01	6.9200E+00	-9.2223E-01	6.7471E+00
9.5	-1.2637E+00	7.0950E+00	-1.5836E+00	6.8875E+00
9.6	-1.9737E+00	7.2132E+00	-2.2805E+00	6.9710E+00
9.7	-2.7186E+00	7.2691E+00	-3.0089E+00	6.9925E+00
9.8	-3.4938E+00	7.2571E+00	-3.7642E+00	6.9468E+00
9.9	-4.2941E+00	7.1723E+00	-4.5410E+00	6.8292E+00
10.0	-5.1134E+00	7.0097E+00	-5.3334E+00	6.6353E+00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	-5.1134E+00	7.0097E+00	-5.3334E+00	6.6353E+00
10.1	-5.9453E+00	6.7650E+00	-6.1348E+00	6.3609E+00
10.2	-6.7824E+00	6.4341E+00	-6.9382E+00	6.0024E+00
10.3	-7.6170E+00	6.0136E+00	-7.7356E+00	5.5567E+00
10.4	-8.4406E+00	5.5007E+00	-8.5190E+00	5.0214E+00
10.5	-9.2442E+00	4.8933E+00	-9.2793E+00	4.3946E+00
10.6	-1.0018E+01	4.1899E+00	-1.0007E+01	3.6754E+00
10.7	-1.0753E+01	3.3900E+00	-1.0693E+01	2.8636E+00
10.8	-1.1438E+01	2.4939E+00	-1.1327E+01	1.9598E+00
10.9	-1.2062E+01	1.5030E+00	-1.1899E+01	9.6560E-01
11.0	-1.2615E+01	4.1966E-01	-1.2397E+01	-1.1622E-01
11.1	-1.3085E+01	-7.5266E-01	-1.2812E+01	-1.2820E+00
11.2	-1.3462E+01	-2.0093E+00	-1.3133E+01	-2.5267E+00
11.3	-1.3733E+01	-3.3445E+00	-1.3348E+01	-3.8445E+00
11.4	-1.3889E+01	-4.7512E+00	-1.3447E+01	-5.2281E+00
11.5	-1.3919E+01	-6.2209E+00	-1.3421E+01	-6.6690E+00
11.6	-1.3812E+01	-7.7442E+00	-1.3260E+01	-8.1574E+00
11.7	-1.3558E+01	-9.3101E+00	-1.2953E+01	-9.6825E+00
11.8	-1.3148E+01	-1.0906E+01	-1.2494E+01	-1.1232E+01
11.9	-1.2575E+01	-1.2519E+01	-1.1874E+01	-1.2793E+01
12.0	-1.1831E+01	-1.4135E+01	-1.1086E+01	-1.4350E+01
12.1	-1.0909E+01	-1.5736E+01	-1.0125E+01	-1.5887E+01
12.2	-9.8057E+00	-1.7307E+01	-8.9872E+00	-1.7389E+01
12.3	-8.5162E+00	-1.8829E+01	-7.6690E+00	-1.8836E+01
12.4	-7.0392E+00	-2.0283E+01	-6.1692E+00	-2.0211E+01
12.5	-5.3744E+00	-2.1649E+01	-4.4884E+00	-2.1494E+01
12.6	-3.5234E+00	-2.2906E+01	-2.6286E+00	-2.2665E+01
12.7	-1.4899E+00	-2.4034E+01	-5.9421E-01	-2.3702E+01
12.8	7.2037E-01	-2.5010E+01	1.6087E+00	-2.4586E+01
12.9	3.0995E+00	-2.5813E+01	3.9717E+00	-2.5294E+01
13.0	5.6371E+00	-2.6421E+01	6.4840E+00	-2.5807E+01
13.1	8.3206E+00	-2.6812E+01	9.1327E+00	-2.6102E+01
13.2	1.1135E+01	-2.6964E+01	1.1902E+01	-2.6159E+01
13.3	1.4062E+01	-2.6859E+01	1.4775E+01	-2.5960E+01
13.4	1.7082E+01	-2.6474E+01	1.7730E+01	-2.5484E+01
13.5	2.0172E+01	-2.5793E+01	2.0745E+01	-2.4715E+01
13.6	2.3306E+01	-2.4798E+01	2.3794E+01	-2.3637E+01
13.7	2.6458E+01	-2.3473E+01	2.6850E+01	-2.2235E+01
13.8	2.9596E+01	-2.1806E+01	2.9883E+01	-2.0497E+01
13.9	3.2688E+01	-1.9786E+01	3.2860E+01	-1.8413E+01
14.0	3.5699E+01	-1.7404E+01	3.5747E+01	-1.5977E+01
14.1	3.8593E+01	-1.4655E+01	3.8509E+01	-1.3184E+01
14.2	4.1330E+01	-1.1538E+01	4.1107E+01	-1.0034E+01
14.3	4.3872E+01	-8.0535E+00	4.3501E+01	-6.5281E+00
14.4	4.6177E+01	-4.2071E+00	4.5653E+01	-2.6736E+00
14.5	4.8201E+01	-8.2156E-03	4.7519E+01	1.5193E+00
14.6	4.9903E+01	4.5294E+00	4.9059E+01	6.0362E+00
14.7	5.1239E+01	9.3876E+00	5.0230E+01	1.0858E+01
14.8	5.2167E+01	1.4544E+01	5.0991E+01	1.5961E+01
14.9	5.2642E+01	1.9969E+01	5.1301E+01	2.1317E+01
15.0	5.2625E+01	2.5632E+01	5.1119E+01	2.6893E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	5.2625E+01	2.5632E+01	5.1119E+01	2.6893E+01
15.1	5.2075E+01	3.1495E+01	5.0409E+01	3.2650E+01
15.2	5.0955E+01	3.7514E+01	4.9133E+01	3.8547E+01
15.3	4.9230E+01	4.3642E+01	4.7259E+01	4.4534E+01
15.4	4.6868E+01	4.9826E+01	4.4756E+01	5.0558E+01
15.5	4.3840E+01	5.6008E+01	4.1599E+01	5.6564E+01
15.6	4.0124E+01	6.2126E+01	3.7766E+01	6.2488E+01
15.7	3.5700E+01	6.8112E+01	3.3241E+01	6.8264E+01
15.8	3.0557E+01	7.3897E+01	2.8012E+01	7.3822E+01
15.9	2.4686E+01	7.9404E+01	2.2074E+01	7.9089E+01
16.0	1.8088E+01	8.4556E+01	1.5429E+01	8.3988E+01
16.1	1.0770E+01	8.9272E+01	8.0873E+00	8.8438E+01
16.2	2.7472E+00	9.3469E+01	6.4474E-02	9.2359E+01
16.3	-5.9566E+00	9.7062E+01	-8.6138E+00	9.5668E+01
16.4	-1.5310E+01	9.9965E+01	-1.7914E+01	9.8282E+01
16.5	-2.5270E+01	1.0209E+02	-2.7794E+01	1.0012E+02
16.6	-3.5788E+01	1.0336E+02	-3.8200E+01	1.0109E+02
16.7	-4.6801E+01	1.0369E+02	-4.9072E+01	1.0112E+02
16.8	-5.8239E+01	1.0299E+02	-6.0337E+01	1.0013E+02
16.9	-7.0023E+01	1.0119E+02	-7.1915E+01	9.8054E+01
17.0	-8.2059E+01	9.8217E+01	-8.3714E+01	9.4813E+01
17.1	-9.4249E+01	9.4008E+01	-9.5634E+01	9.0347E+01
17.2	-1.0648E+02	8.8501E+01	-1.0756E+02	8.4601E+01
17.3	-1.1863E+02	8.1646E+01	-1.1938E+02	7.7528E+01
17.4	-1.3058E+02	7.3402E+01	-1.3097E+02	6.9091E+01
17.5	-1.4218E+02	6.3738E+01	-1.4217E+02	5.9262E+01
17.6	-1.5329E+02	5.2636E+01	-1.5286E+02	4.8026E+01
17.7	-1.6375E+02	4.0090E+01	-1.6288E+02	3.5381E+01
17.8	-1.7342E+02	2.6108E+01	-1.7208E+02	2.1339E+01
17.9	-1.8211E+02	1.0713E+01	-1.8028E+02	5.9264E+00
18.0	-1.8967E+02	-6.0540E+00	-1.8734E+02	-1.0814E+01
18.1	-1.9593E+02	-2.4137E+01	-1.9308E+02	-2.8823E+01
18.2	-2.0071E+02	-4.3461E+01	-1.9734E+02	-4.8021E+01
18.3	-2.0385E+02	-6.3931E+01	-1.9995E+02	-6.8314E+01
18.4	-2.0517E+02	-8.5436E+01	-2.0074E+02	-8.9586E+01
18.5	-2.0452E+02	-1.0784E+02	-1.9957E+02	-1.1170E+02
18.6	-2.0174E+02	-1.3100E+02	-1.9627E+02	-1.3451E+02
18.7	-1.9668E+02	-1.5473E+02	-1.9072E+02	-1.5784E+02
18.8	-1.8921E+02	-1.7884E+02	-1.8277E+02	-1.8149E+02
18.9	-1.7920E+02	-2.0312E+02	-1.7231E+02	-2.0524E+02
19.0	-1.6654E+02	-2.2734E+02	-1.5924E+02	-2.2888E+02
19.1	-1.5114E+02	-2.5125E+02	-1.4348E+02	-2.5215E+02
19.2	-1.3294E+02	-2.7457E+02	-1.2496E+02	-2.7478E+02
19.3	-1.1188E+02	-2.9703E+02	-1.0364E+02	-2.9650E+02
19.4	-8.7954E+01	-3.1831E+02	-7.9502E+01	-3.1700E+02
19.5	-6.1152E+01	-3.3812E+02	-5.2562E+01	-3.3597E+02
19.6	-3.1514E+01	-3.5613E+02	-2.2861E+01	-3.5311E+02
19.7	8.9332E-01	-3.7200E+02	9.5307E+00	-3.6807E+02
19.8	3.5970E+01	-3.8540E+02	4.4507E+01	-3.8054E+02
19.9	7.3581E+01	-3.9599E+02	8.1927E+01	-3.9017E+02
20.0	1.1355E+02	-4.0342E+02	1.2161E+02	-3.9664E+02

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	9.9809E-01	1.6054E-03	1.7047E-02	4.6953E-02
0.2	9.9234E-01	6.4033E-03	3.3770E-02	9.3719E-02
0.3	9.8279E-01	1.4338E-02	4.9848E-02	1.4011E-01
0.4	9.6943E-01	2.5319E-02	6.4966E-02	1.8593E-01
0.5	9.5230E-01	3.9218E-02	7.8819E-02	2.3100E-01
0.6	9.3142E-01	5.5874E-02	9.1113E-02	2.7512E-01
0.7	9.0684E-01	7.5091E-02	1.0157E-01	3.1810E-01
0.8	8.7860E-01	9.6641E-02	1.0993E-01	3.5974E-01
0.9	8.4677E-01	1.2027E-01	1.1595E-01	3.9983E-01
1.0	8.1141E-01	1.4568E-01	1.1941E-01	4.3818E-01
1.1	7.7261E-01	1.7258E-01	1.2013E-01	4.7459E-01
1.2	7.3047E-01	2.0061E-01	1.1794E-01	5.0884E-01
1.3	6.8509E-01	2.2942E-01	1.1270E-01	5.4072E-01
1.4	6.3660E-01	2.5865E-01	1.0432E-01	5.7003E-01
1.5	5.8515E-01	2.8789E-01	9.2717E-02	5.9655E-01
1.6	5.3089E-01	3.1674E-01	7.7870E-02	6.2008E-01
1.7	4.7400E-01	3.4480E-01	5.9777E-02	6.4041E-01
1.8	4.1469E-01	3.7165E-01	3.8479E-02	6.5734E-01
1.9	3.5317E-01	3.9686E-01	1.4054E-02	6.7067E-01
2.0	2.8969E-01	4.2003E-01	-1.3382E-02	6.8020E-01
2.1	2.2451E-01	4.4074E-01	-4.3673E-02	6.8576E-01
2.2	1.5792E-01	4.5860E-01	-7.6626E-02	6.8718E-01
2.3	9.0228E-02	4.7322E-01	-1.1201E-01	6.8429E-01
2.4	2.1768E-02	4.8424E-01	-1.4955E-01	6.7696E-01
2.5	-4.7106E-02	4.9131E-01	-1.8896E-01	6.6506E-01
2.6	-1.1602E-01	4.9411E-01	-2.2988E-01	6.4848E-01
2.7	-1.8457E-01	4.9237E-01	-2.7194E-01	6.2714E-01
2.8	-2.5234E-01	4.8583E-01	-3.1476E-01	6.0100E-01
2.9	-3.1890E-01	4.7426E-01	-3.5788E-01	5.7002E-01
3.0	-3.8380E-01	4.5751E-01	-4.0086E-01	5.3420E-01
3.1	-4.4656E-01	4.3543E-01	-4.4323E-01	4.9359E-01
3.2	-5.0672E-01	4.0795E-01	-4.8448E-01	4.4825E-01
3.3	-5.6378E-01	3.7504E-01	-5.2411E-01	3.9829E-01
3.4	-6.1726E-01	3.3671E-01	-5.6159E-01	3.4386E-01
3.5	-6.6666E-01	2.9305E-01	-5.9640E-01	2.8516E-01
3.6	-7.1149E-01	2.4419E-01	-6.2801E-01	2.2241E-01
3.7	-7.5126E-01	1.9031E-01	-6.5590E-01	1.5589E-01
3.8	-7.8549E-01	1.3167E-01	-6.7955E-01	8.5924E-02
3.9	-8.1374E-01	6.8588E-02	-6.9845E-01	1.2879E-02
4.0	-8.3555E-01	1.4231E-03	-7.1212E-01	-6.2832E-02
4.1	-8.5051E-01	-6.9392E-02	-7.2012E-01	-1.4075E-01
4.2	-8.5823E-01	-1.4337E-01	-7.2200E-01	-2.2038E-01
4.3	-8.5837E-01	-2.1997E-01	-7.1737E-01	-3.0117E-01
4.4	-8.5060E-01	-2.9859E-01	-7.0590E-01	-3.8254E-01
4.5	-8.3468E-01	-3.7858E-01	-6.8726E-01	-4.6386E-01
4.6	-8.1038E-01	-4.5924E-01	-6.6122E-01	-5.4446E-01
4.7	-7.7754E-01	-5.3983E-01	-6.2758E-01	-6.2366E-01
4.8	-7.3608E-01	-6.1958E-01	-5.8622E-01	-7.0073E-01
4.9	-6.8595E-01	-6.9766E-01	-5.3706E-01	-7.7493E-01
5.0	-6.2720E-01	-7.7324E-01	-4.8012E-01	-8.4548E-01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-6.2720E-01	-7.7324E-01	-4.8012E-01	-8.4548E-01
5.1	-5.5994E-01	-8.4544E-01	-4.1548E-01	-9.1162E-01
5.2	-4.8437E-01	-9.1338E-01	-3.4330E-01	-9.7254E-01
5.3	-4.0075E-01	-9.7619E-01	-2.6384E-01	-1.0275E+00
5.4	-3.0945E-01	-1.0330E+00	-1.7742E-01	-1.0756E+00
5.5	-2.1090E-01	-1.0828E+00	-8.4458E-02	-1.1162E+00
5.6	-1.0564E-01	-1.1249E+00	1.4545E-02	-1.1485E+00
5.7	5.7123E-03	-1.1584E+00	1.1900E-01	-1.1717E+00
5.8	1.2246E-01	-1.1824E+00	2.2822E-01	-1.1853E+00
5.9	2.4381E-01	-1.1963E+00	3.4146E-01	-1.1885E+00
6.0	3.6888E-01	-1.1993E+00	4.5786E-01	-1.1808E+00
6.1	4.9672E-01	-1.1908E+00	5.7651E-01	-1.1617E+00
6.2	6.2629E-01	-1.1703E+00	6.9640E-01	-1.1307E+00
6.3	7.5648E-01	-1.1372E+00	8.1646E-01	-1.0875E+00
6.4	8.8612E-01	-1.0911E+00	9.3555E-01	-1.0317E+00
6.5	1.0140E+00	-1.0318E+00	1.0525E+00	-9.6330E-01
6.6	1.1387E+00	-9.5915E-01	1.1660E+00	-8.8211E-01
6.7	1.2590E+00	-8.7303E-01	1.2749E+00	-7.8821E-01
6.8	1.3736E+00	-7.7352E-01	1.3777E+00	-6.8175E-01
6.9	1.4810E+00	-6.6083E-01	1.4732E+00	-5.6303E-01
7.0	1.5797E+00	-5.3529E-01	1.5601E+00	-4.3247E-01
7.1	1.6685E+00	-3.9740E-01	1.6369E+00	-2.9061E-01
7.2	1.7458E+00	-2.4777E-01	1.7023E+00	-1.3815E-01
7.3	1.8104E+00	-8.7194E-02	1.7552E+00	2.4090E-02
7.4	1.8609E+00	8.3404E-02	1.7941E+00	1.9513E-01
7.5	1.8961E+00	2.6294E-01	1.8179E+00	3.7387E-01
7.6	1.9146E+00	4.5020E-01	1.8255E+00	5.5905E-01
7.7	1.9155E+00	6.4379E-01	1.8159E+00	7.4930E-01
7.8	1.8977E+00	8.4220E-01	1.7881E+00	9.4310E-01
7.9	1.8603E+00	1.0438E+00	1.7413E+00	1.1388E+00
8.0	1.8026E+00	1.2467E+00	1.6749E+00	1.3347E+00
8.1	1.7239E+00	1.4492E+00	1.5883E+00	1.5289E+00
8.2	1.6238E+00	1.6491E+00	1.4811E+00	1.7194E+00
8.3	1.5020E+00	1.8445E+00	1.3533E+00	1.9042E+00
8.4	1.3585E+00	2.0330E+00	1.2047E+00	2.0812E+00
8.5	1.1933E+00	2.2125E+00	1.0355E+00	2.2483E+00
8.6	1.0069E+00	2.3806E+00	8.4629E-01	2.4032E+00
8.7	7.9978E-01	2.5351E+00	6.3757E-01	2.5438E+00
8.8	5.7275E-01	2.6737E+00	4.1022E-01	2.6677E+00
8.9	3.2686E-01	2.7940E+00	1.6533E-01	2.7729E+00
9.0	6.3387E-02	2.8937E+00	-9.5752E-02	2.8573E+00
9.1	-2.1613E-01	2.9707E+00	-3.7148E-01	2.9186E+00
9.2	-5.0991E-01	3.0228E+00	-6.6004E-01	2.9551E+00
9.3	-8.1594E-01	3.0481E+00	-9.5940E-01	2.9647E+00
9.4	-1.1319E+00	3.0447E+00	-1.2673E+00	2.9459E+00
9.5	-1.4554E+00	3.0110E+00	-1.5812E+00	2.8971E+00
9.6	-1.7836E+00	2.9453E+00	-1.8985E+00	2.8170E+00
9.7	-2.1137E+00	2.8465E+00	-2.2162E+00	2.7044E+00
9.8	-2.4424E+00	2.7135E+00	-2.5313E+00	2.5584E+00
9.9	-2.7665E+00	2.5455E+00	-2.8405E+00	2.3786E+00
10.0	-3.0826E+00	2.3422E+00	-3.1404E+00	2.1645E+00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	-3.0826E+00	2.3422E+00	-3.1404E+00	2.1645E+00
10.1	-3.3869E+00	2.1034E+00	-3.4275E+00	1.9162E+00
10.2	-3.6759E+00	1.8293E+00	-3.6983E+00	1.6341E+00
10.3	-3.9457E+00	1.5204E+00	-3.9490E+00	1.3188E+00
10.4	-4.1926E+00	1.1777E+00	-4.1760E+00	9.7134E-01
10.5	-4.4127E+00	8.0249E-01	-4.3756E+00	5.9324E-01
10.6	-4.6021E+00	3.9655E-01	-4.5441E+00	1.8630E-01
10.7	-4.7573E+00	-3.8001E-02	-4.6780E+00	-2.4726E-01
10.8	-4.8745E+00	-4.9863E-01	-4.7739E+00	-7.0482E-01
10.9	-4.9503E+00	-9.8235E-01	-4.8283E+00	-1.1833E+00
11.0	-4.9813E+00	-1.4858E+00	-4.8383E+00	-1.6794E+00
11.1	-4.9646E+00	-2.0052E+00	-4.8009E+00	-2.1893E+00
11.2	-4.8974E+00	-2.5364E+00	-4.7137E+00	-2.7087E+00
11.3	-4.7772E+00	-3.0748E+00	-4.5744E+00	-3.2333E+00
11.4	-4.6020E+00	-3.6156E+00	-4.3811E+00	-3.7580E+00
11.5	-4.3701E+00	-4.1535E+00	-4.1324E+00	-4.2778E+00
11.6	-4.0804E+00	-4.6829E+00	-3.8273E+00	-4.7872E+00
11.7	-3.7321E+00	-5.1982E+00	-3.4654E+00	-5.2805E+00
11.8	-3.3251E+00	-5.6934E+00	-3.0465E+00	-5.7519E+00
11.9	-2.8597E+00	-6.1622E+00	-2.5715E+00	-6.1954E+00
12.0	-2.3371E+00	-6.5983E+00	-2.0413E+00	-6.6047E+00
12.1	-1.7587E+00	-6.9955E+00	-1.4579E+00	-6.9738E+00
12.2	-1.1270E+00	-7.3473E+00	-8.2373E-01	-7.2964E+00
12.3	-4.4490E-01	-7.6473E+00	-1.4183E-01	-7.5666E+00
12.4	2.8399E-01	-7.8894E+00	5.8400E-01	-7.7782E+00
12.5	1.0553E+00	-8.0676E+00	1.3493E+00	-7.9255E+00
12.6	1.8640E+00	-8.1761E+00	2.1490E+00	-8.0031E+00
12.7	2.7044E+00	-8.2095E+00	2.9773E+00	-8.0058E+00
12.8	3.5700E+00	-8.1626E+00	3.8277E+00	-7.9288E+00
12.9	4.4539E+00	-8.0310E+00	4.6933E+00	-7.7680E+00
13.0	5.3483E+00	-7.8107E+00	5.5663E+00	-7.5196E+00
13.1	6.2450E+00	-7.4982E+00	6.4386E+00	-7.1805E+00
13.2	7.1352E+00	-7.0910E+00	7.3014E+00	-6.7485E+00
13.3	8.0096E+00	-6.5872E+00	8.1456E+00	-6.2220E+00
13.4	8.8584E+00	-5.9856E+00	8.9616E+00	-5.6001E+00
13.5	9.6717E+00	-5.2861E+00	9.7394E+00	-4.8832E+00
13.6	1.0439E+01	-4.4896E+00	1.0469E+01	-4.0722E+00
13.7	1.1150E+01	-3.5980E+00	1.1140E+01	-3.1694E+00
13.8	1.1793E+01	-2.6140E+00	1.1742E+01	-2.1779E+00
13.9	1.2359E+01	-1.5417E+00	1.2264E+01	-1.1019E+00
14.0	1.2836E+01	-3.8637E-01	1.2697E+01	5.3164E-02
14.1	1.3214E+01	8.4585E-01	1.3030E+01	1.2808E+00
14.2	1.3483E+01	2.1474E+00	1.3254E+01	2.5735E+00
14.3	1.3633E+01	3.5097E+00	1.3359E+01	3.9223E+00
14.4	1.3657E+01	4.9230E+00	1.3337E+01	5.3175E+00
14.5	1.3544E+01	6.3762E+00	1.3180E+01	6.7480E+00
14.6	1.3288E+01	7.8575E+00	1.2881E+01	8.2018E+00
14.7	1.2881E+01	9.3536E+00	1.2434E+01	9.6658E+00
14.8	1.2320E+01	1.0851E+01	1.1834E+01	1.1126E+01
14.9	1.1599E+01	1.2334E+01	1.1077E+01	1.2568E+01
15.0	1.0715E+01	1.3787E+01	1.0160E+01	1.3976E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	1.0715E+01	1.3787E+01	1.0160E+01	1.3976E+01
15.1	9.6669E+00	1.5194E+01	9.0831E+00	1.5333E+01
15.2	8.4548E+00	1.6537E+01	7.8461E+00	1.6623E+01
15.3	7.0803E+00	1.7799E+01	6.4512E+00	1.7829E+01
15.4	5.5469E+00	1.8963E+01	4.9025E+00	1.8932E+01
15.5	3.8596E+00	2.0010E+01	3.2053E+00	1.9916E+01
15.6	2.0257E+00	2.0922E+01	1.3673E+00	2.0764E+01
15.7	5.4207E-02	2.1681E+01	-6.0217E-01	2.1456E+01
15.8	-2.0440E+00	2.2270E+01	-2.6919E+00	2.1978E+01
15.9	-4.2558E+00	2.2673E+01	-4.8887E+00	2.2312E+01
16.0	-6.5664E+00	2.2873E+01	-7.1773E+00	2.2443E+01
16.1	-8.9588E+00	2.2855E+01	-9.5408E+00	2.2358E+01
16.2	-1.1414E+01	2.2605E+01	-1.1960E+01	2.2041E+01
16.3	-1.3912E+01	2.2111E+01	-1.4415E+01	2.1483E+01
16.4	-1.6430E+01	2.1362E+01	-1.6883E+01	2.0672E+01
16.5	-1.8944E+01	2.0349E+01	-1.9339E+01	1.9602E+01
16.6	-2.1428E+01	1.9066E+01	-2.1760E+01	1.8265E+01
16.7	-2.3856E+01	1.7508E+01	-2.4117E+01	1.6658E+01
16.8	-2.6199E+01	1.5673E+01	-2.6384E+01	1.4780E+01
16.9	-2.8428E+01	1.3561E+01	-2.8531E+01	1.2631E+01
17.0	-3.0514E+01	1.1176E+01	-3.0530E+01	1.0217E+01
17.1	-3.2427E+01	8.5248E+00	-3.2350E+01	7.5434E+00
17.2	-3.4135E+01	5.6161E+00	-3.3962E+01	4.6213E+00
17.3	-3.5608E+01	2.4630E+00	-3.5335E+01	1.4636E+00
17.4	-3.6817E+01	-9.1873E-01	-3.6442E+01	-1.9133E+00
17.5	-3.7732E+01	-4.5098E+00	-3.7253E+01	-5.4895E+00
17.6	-3.8324E+01	-8.2874E+00	-3.7741E+01	-9.2421E+00
17.7	-3.8568E+01	-1.2226E+01	-3.7880E+01	-1.3145E+01
17.8	-3.8437E+01	-1.6295E+01	-3.7646E+01	-1.7168E+01
17.9	-3.7909E+01	-2.0464E+01	-3.7017E+01	-2.1279E+01
18.0	-3.6964E+01	-2.4695E+01	-3.5973E+01	-2.5442E+01
18.1	-3.5583E+01	-2.8952E+01	-3.4499E+01	-2.9619E+01
18.2	-3.3753E+01	-3.3191E+01	-3.2581E+01	-3.3769E+01
18.3	-3.1462E+01	-3.7370E+01	-3.0210E+01	-3.7847E+01
18.4	-2.8705E+01	-4.1442E+01	-2.7379E+01	-4.1809E+01
18.5	-2.5478E+01	-4.5359E+01	-2.4087E+01	-4.5606E+01
18.6	-2.1783E+01	-4.9071E+01	-2.0338E+01	-4.9190E+01
18.7	-1.7627E+01	-5.2529E+01	-1.6140E+01	-5.2511E+01
18.8	-1.3023E+01	-5.5679E+01	-1.1505E+01	-5.5517E+01
18.9	-7.9871E+00	-5.8471E+01	-6.4508E+00	-5.8159E+01
19.0	-2.5423E+00	-6.0853E+01	-1.0023E+00	-6.0386E+01
19.1	3.2829E+00	-6.2774E+01	4.8118E+00	-6.2148E+01
19.2	9.4545E+00	-6.4184E+01	1.0957E+01	-6.3396E+01
19.3	1.5933E+01	-6.5035E+01	1.7393E+01	-6.4086E+01
19.4	2.2672E+01	-6.5284E+01	2.4073E+01	-6.4173E+01
19.5	2.9622E+01	-6.4887E+01	3.0947E+01	-6.3616E+01
19.6	3.6725E+01	-6.3807E+01	3.7957E+01	-6.2380E+01
19.7	4.3921E+01	-6.2010E+01	4.5042E+01	-6.0432E+01
19.8	5.1141E+01	-5.9467E+01	5.2135E+01	-5.7746E+01
19.9	5.8315E+01	-5.6156E+01	5.9165E+01	-5.4299E+01
20.0	6.5367E+01	-5.2058E+01	6.6058E+01	-5.0078E+01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	9.9784E-01	1.2486E-03	1.2897E-02	4.8252E-02
0.2	9.9135E-01	4.9784E-03	2.5529E-02	9.6239E-02
0.3	9.8058E-01	1.1141E-02	3.7636E-02	1.4370E-01
0.4	9.6556E-01	1.9655E-02	4.8961E-02	1.9036E-01
0.5	9.4636E-01	3.0411E-02	5.9259E-02	2.3598E-01
0.6	9.2307E-01	4.3266E-02	6.8294E-02	2.8028E-01
0.7	8.9579E-01	5.8052E-02	7.5847E-02	3.2303E-01
0.8	8.6464E-01	7.4570E-02	8.1714E-02	3.6397E-01
0.9	8.2975E-01	9.2600E-02	8.5711E-02	4.0285E-01
1.0	7.9130E-01	1.1190E-01	8.7679E-02	4.3946E-01
1.1	7.4946E-01	1.3219E-01	8.7478E-02	4.7355E-01
1.2	7.0442E-01	1.5321E-01	8.4998E-02	5.0491E-01
1.3	6.5639E-01	1.7465E-01	8.0154E-02	5.3334E-01
1.4	6.0561E-01	1.9620E-01	7.2891E-02	5.5864E-01
1.5	5.5233E-01	2.1754E-01	6.3183E-02	5.8063E-01
1.6	4.9680E-01	2.3835E-01	5.1038E-02	5.9913E-01
1.7	4.3932E-01	2.5831E-01	3.6492E-02	6.1400E-01
1.8	3.8018E-01	2.7708E-01	1.9613E-02	6.2510E-01
1.9	3.1968E-01	2.9435E-01	5.0352E-04	6.3230E-01
2.0	2.5816E-01	3.0980E-01	-2.0706E-02	6.3550E-01
2.1	1.9596E-01	3.2315E-01	-4.3852E-02	6.3463E-01
2.2	1.3341E-01	3.3409E-01	-6.8744E-02	6.2963E-01
2.3	7.0885E-02	3.4237E-01	-9.5160E-02	6.2045E-01
2.4	8.7465E-03	3.4775E-01	-1.2285E-01	6.0709E-01
2.5	-5.2630E-02	3.5000E-01	-1.5155E-01	5.8956E-01
2.6	-1.1287E-01	3.4893E-01	-1.8097E-01	5.6790E-01
2.7	-1.7158E-01	3.4438E-01	-2.1078E-01	5.4216E-01
2.8	-2.2839E-01	3.3624E-01	-2.4065E-01	5.1245E-01
2.9	-2.8291E-01	3.2440E-01	-2.7025E-01	4.7889E-01
3.0	-3.3476E-01	3.0881E-01	-2.9921E-01	4.4162E-01
3.1	-3.8359E-01	2.8945E-01	-3.2716E-01	4.0082E-01
3.2	-4.2901E-01	2.6637E-01	-3.5375E-01	3.5671E-01
3.3	-4.7070E-01	2.3961E-01	-3.7860E-01	3.0952E-01
3.4	-5.0830E-01	2.0929E-01	-4.0134E-01	2.5952E-01
3.5	-5.4150E-01	1.7557E-01	-4.2161E-01	2.0700E-01
3.6	-5.7002E-01	1.3863E-01	-4.3908E-01	1.5228E-01
3.7	-5.9356E-01	9.8713E-02	-4.5340E-01	9.5715E-02
3.8	-6.1190E-01	5.6093E-02	-4.6427E-01	3.7677E-02
3.9	-6.2481E-01	1.1085E-02	-4.7138E-01	-2.1438E-02
4.0	-6.3210E-01	-3.5958E-02	-4.7449E-01	-8.1211E-02
4.1	-6.3364E-01	-8.4649E-02	-4.7336E-01	-1.4120E-01
4.2	-6.2930E-01	-1.3457E-01	-4.6779E-01	-2.0096E-01
4.3	-6.1901E-01	-1.8527E-01	-4.5762E-01	-2.6001E-01
4.4	-6.0275E-01	-2.3627E-01	-4.4272E-01	-3.1788E-01
4.5	-5.8053E-01	-2.8708E-01	-4.2303E-01	-3.7407E-01
4.6	-5.5241E-01	-3.3718E-01	-3.9851E-01	-4.2810E-01
4.7	-5.1850E-01	-3.8605E-01	-3.6917E-01	-4.7947E-01
4.8	-4.7896E-01	-4.3314E-01	-3.3509E-01	-5.2768E-01
4.9	-4.3398E-01	-4.7792E-01	-2.9638E-01	-5.7227E-01
5.0	-3.8384E-01	-5.1984E-01	-2.5320E-01	-6.1275E-01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-3.8384E-01	-5.1984E-01	-2.5320E-01	-6.1275E-01
5.1	-3.2883E-01	-5.5837E-01	-2.0577E-01	-6.4867E-01
5.2	-2.6930E-01	-5.9300E-01	-1.5438E-01	-6.7960E-01
5.3	-2.0567E-01	-6.2321E-01	-9.9334E-02	-7.0512E-01
5.4	-1.3838E-01	-6.4853E-01	-4.1014E-02	-7.2486E-01
5.5	-6.7935E-02	-6.6851E-01	2.0160E-02	-7.3847E-01
5.6	5.1342E-03	-6.8273E-01	8.3719E-02	-7.4564E-01
5.7	8.0245E-02	-6.9082E-01	1.4915E-01	-7.4611E-01
5.8	1.5678E-01	-6.9244E-01	2.1590E-01	-7.3965E-01
5.9	2.3409E-01	-6.8731E-01	2.8339E-01	-7.2611E-01
6.0	3.1149E-01	-6.7521E-01	3.5098E-01	-7.0537E-01
6.1	3.8829E-01	-6.5597E-01	4.1803E-01	-6.7737E-01
6.2	4.6374E-01	-6.2949E-01	4.8387E-01	-6.4211E-01
6.3	5.3713E-01	-5.9573E-01	5.4781E-01	-5.9968E-01
6.4	6.0770E-01	-5.5473E-01	6.0914E-01	-5.5021E-01
6.5	6.7471E-01	-5.0659E-01	6.6716E-01	-4.9388E-01
6.6	7.3740E-01	-4.5148E-01	7.2117E-01	-4.3099E-01
6.7	7.9506E-01	-3.8967E-01	7.7047E-01	-3.6186E-01
6.8	8.4696E-01	-3.2149E-01	8.1438E-01	-2.8691E-01
6.9	8.9241E-01	-2.4735E-01	8.5225E-01	-2.0662E-01
7.0	9.3077E-01	-1.6772E-01	8.8345E-01	-1.2152E-01
7.1	9.6142E-01	-8.3167E-02	9.0740E-01	-3.2230E-02
7.2	9.8379E-01	5.6863E-03	9.2355E-01	6.0582E-02
7.3	9.9736E-01	9.8143E-02	9.3142E-01	1.5618E-01
7.4	1.0017E+00	1.9344E-01	9.3057E-01	2.5379E-01
7.5	9.9639E-01	2.9077E-01	9.2064E-01	3.5256E-01
7.6	9.8115E-01	3.8925E-01	9.0134E-01	4.5163E-01
7.7	9.5574E-01	4.8796E-01	8.7245E-01	5.5006E-01
7.8	9.2001E-01	5.8594E-01	8.3386E-01	6.4691E-01
7.9	8.7393E-01	6.8220E-01	7.8550E-01	7.4121E-01
8.0	8.1752E-01	7.7571E-01	7.2745E-01	8.3196E-01
8.1	7.5092E-01	8.6545E-01	6.5984E-01	9.1816E-01
8.2	6.7439E-01	9.5036E-01	5.8294E-01	9.9882E-01
8.3	5.8827E-01	1.0294E+00	4.9707E-01	1.0729E+00
8.4	4.9301E-01	1.1016E+00	4.0271E-01	1.1396E+00
8.5	3.8917E-01	1.1659E+00	3.0040E-01	1.1978E+00
8.6	2.7741E-01	1.2213E+00	1.9079E-01	1.2466E+00
8.7	1.5849E-01	1.2670E+00	7.4648E-02	1.2853E+00
8.8	3.3273E-02	1.3020E+00	-4.7182E-02	1.3130E+00
8.9	-9.7279E-02	1.3256E+00	-1.7375E-01	1.3291E+00
9.0	-2.3211E-01	1.3370E+00	-3.0403E-01	1.3328E+00
9.1	-3.7010E-01	1.3356E+00	-4.3692E-01	1.3237E+00
9.2	-5.1003E-01	1.3209E+00	-5.7121E-01	1.3012E+00
9.3	-6.5061E-01	1.2925E+00	-7.0566E-01	1.2651E+00
9.4	-7.9050E-01	1.2500E+00	-8.3896E-01	1.2152E+00
9.5	-9.2832E-01	1.1933E+00	-9.6976E-01	1.1513E+00
9.6	-1.0626E+00	1.1223E+00	-1.0967E+00	1.0734E+00
9.7	-1.1920E+00	1.0371E+00	-1.2182E+00	9.8178E-01
9.8	-1.3149E+00	9.3786E-01	-1.3331E+00	8.7670E-01
9.9	-1.4298E+00	8.2505E-01	-1.4398E+00	7.5860E-01
10.0	-1.5355E+00	6.9918E-01	-1.5370E+00	6.2808E-01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	-1.5355E+00	6.9918E-01	-1.5370E+00	6.2808E-01
10.1	-1.6303E+00	5.6090E-01	-1.6232E+00	4.8587E-01
10.2	-1.7129E+00	4.1105E-01	-1.6971E+00	3.3287E-01
10.3	-1.7820E+00	2.5062E-01	-1.7576E+00	1.7008E-01
10.4	-1.8363E+00	8.0724E-02	-1.8033E+00	-1.3056E-03
10.5	-1.8747E+00	-9.7368E-02	-1.8332E+00	-1.8001E-01
10.6	-1.8961E+00	-2.8225E-01	-1.8463E+00	-3.6459E-01
10.7	-1.8996E+00	-4.7238E-01	-1.8417E+00	-5.5350E-01
10.8	-1.8843E+00	-6.6612E-01	-1.8187E+00	-7.4509E-01
10.9	-1.8496E+00	-8.6169E-01	-1.7767E+00	-9.3759E-01
11.0	-1.7950E+00	-1.0573E+00	-1.7153E+00	-1.1292E+00
11.1	-1.7201E+00	-1.2508E+00	-1.6341E+00	-1.3179E+00
11.2	-1.6249E+00	-1.4405E+00	-1.5332E+00	-1.5018E+00
11.3	-1.5094E+00	-1.6241E+00	-1.4127E+00	-1.6789E+00
11.4	-1.3738E+00	-1.7996E+00	-1.2727E+00	-1.8471E+00
11.5	-1.2187E+00	-1.9649E+00	-1.1140E+00	-2.0044E+00
11.6	-1.0446E+00	-2.1179E+00	-9.3714E-01	-2.1487E+00
11.7	-8.5241E-01	-2.2565E+00	-7.4311E-01	-2.2781E+00
11.8	-6.4334E-01	-2.3787E+00	-5.3306E-01	-2.3906E+00
11.9	-4.1866E-01	-2.4826E+00	-3.0834E-01	-2.4844E+00
12.0	-1.7990E-01	-2.5662E+00	-7.0514E-02	-2.5577E+00
12.1	7.1181E-02	-2.6280E+00	1.7866E-01	-2.6088E+00
12.2	3.3265E-01	-2.6663E+00	4.3723E-01	-2.6363E+00
12.3	6.0237E-01	-2.6796E+00	7.0305E-01	-2.6389E+00
12.4	8.7805E-01	-2.6667E+00	9.7384E-01	-2.6154E+00
12.5	1.1572E+00	-2.6265E+00	1.2471E+00	-2.5649E+00
12.6	1.4372E+00	-2.5583E+00	1.5203E+00	-2.4866E+00
12.7	1.7153E+00	-2.4614E+00	1.7907E+00	-2.3801E+00
12.8	1.9887E+00	-2.3355E+00	2.0554E+00	-2.2451E+00
12.9	2.2545E+00	-2.1805E+00	2.3117E+00	-2.0818E+00
13.0	2.5096E+00	-1.9968E+00	2.5566E+00	-1.8903E+00
13.1	2.7510E+00	-1.7847E+00	2.7870E+00	-1.6715E+00
13.2	2.9757E+00	-1.5452E+00	3.0002E+00	-1.4261E+00
13.3	3.1808E+00	-1.2794E+00	3.1932E+00	-1.1555E+00
13.4	3.3633E+00	-9.8868E-01	3.3631E+00	-8.6104E-01
13.5	3.5203E+00	-6.7489E-01	3.5072E+00	-5.4471E-01
13.6	3.6492E+00	-3.4008E-01	3.6229E+00	-2.0860E-01
13.7	3.7473E+00	1.3354E-02	3.7077E+00	1.4486E-01
13.8	3.8123E+00	3.8275E-01	3.7594E+00	5.1295E-01
13.9	3.8421E+00	7.6514E-01	3.7760E+00	8.9269E-01
14.0	3.8348E+00	1.1573E+00	3.7556E+00	1.2808E+00
14.1	3.7886E+00	1.5558E+00	3.6968E+00	1.6739E+00
14.2	3.7024E+00	1.9569E+00	3.5984E+00	2.0683E+00
14.3	3.5751E+00	2.3567E+00	3.4595E+00	2.4600E+00
14.4	3.4061E+00	2.7512E+00	3.2797E+00	2.8451E+00
14.5	3.1952E+00	3.1361E+00	3.0588E+00	3.2195E+00
14.6	2.9426E+00	3.5073E+00	2.7972E+00	3.5789E+00
14.7	2.6489E+00	3.8603E+00	2.4956E+00	3.9191E+00
14.8	2.3151E+00	4.1908E+00	2.1551E+00	4.2357E+00
14.9	1.9427E+00	4.4945E+00	1.7773E+00	4.5246E+00
15.0	1.5337E+00	4.7670E+00	1.3643E+00	4.7816E+00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	1.5337E+00	4.7670E+00	1.3643E+00	4.7816E+00
15.1	1.0905E+00	5.0042E+00	9.1850E-01	5.0026E+00
15.2	6.1586E-01	5.2020E+00	4.4288E-01	5.1837E+00
15.3	1.1315E-01	5.3568E+00	-5.9215E-02	5.3214E+00
15.4	-4.1392E-01	5.4649E+00	-5.8401E-01	5.4122E+00
15.5	-9.6120E-01	5.5231E+00	-1.1273E+00	5.4531E+00
15.6	-1.5242E+00	5.5285E+00	-1.6846E+00	5.4412E+00
15.7	-2.0979E+00	5.4786E+00	-2.2510E+00	5.3744E+00
15.8	-2.6771E+00	5.3712E+00	-2.8211E+00	5.2505E+00
15.9	-3.2563E+00	5.2049E+00	-3.3896E+00	5.0684E+00
16.0	-3.8297E+00	4.9785E+00	-3.9506E+00	4.8269E+00
16.1	-4.3913E+00	4.6915E+00	-4.4982E+00	4.5259E+00
16.2	-4.9348E+00	4.3439E+00	-5.0263E+00	4.1654E+00
16.3	-5.4540E+00	3.9364E+00	-5.5287E+00	3.7463E+00
16.4	-5.9426E+00	3.4703E+00	-5.9992E+00	3.2701E+00
16.5	-6.3942E+00	2.9475E+00	-6.4315E+00	2.7389E+00
16.6	-6.8026E+00	2.3706E+00	-6.8196E+00	2.1552E+00
16.7	-7.1616E+00	1.7428E+00	-7.1575E+00	1.5227E+00
16.8	-7.4653E+00	1.0681E+00	-7.4394E+00	8.4517E-01
16.9	-7.7081E+00	3.5099E-01	-7.6599E+00	1.2737E-01
17.0	-7.8847E+00	-4.0327E-01	-7.8139E+00	-6.2541E-01
17.1	-7.9902E+00	-1.1889E+00	-7.8968E+00	-1.4073E+00
17.2	-8.0202E+00	-1.9994E+00	-7.9042E+00	-2.2119E+00
17.3	-7.9709E+00	-2.8279E+00	-7.8326E+00	-3.0321E+00
17.4	-7.8390E+00	-3.6669E+00	-7.6790E+00	-3.8605E+00
17.5	-7.6219E+00	-4.5085E+00	-7.4411E+00	-4.6892E+00
17.6	-7.3178E+00	-5.3443E+00	-7.1171E+00	-5.5099E+00
17.7	-6.9256E+00	-6.1657E+00	-6.7064E+00	-6.3140E+00
17.8	-6.4452E+00	-6.9637E+00	-6.2089E+00	-7.0926E+00
17.9	-5.8772E+00	-7.7293E+00	-5.6254E+00	-7.8369E+00
18.0	-5.2231E+00	-8.4531E+00	-4.9578E+00	-8.5375E+00
18.1	-4.4855E+00	-9.1259E+00	-4.2088E+00	-9.1856E+00
18.2	-3.6678E+00	-9.7386E+00	-3.3819E+00	-9.7720E+00
18.3	-2.7744E+00	-1.0282E+01	-2.4818E+00	-1.0288E+01
18.4	-1.8107E+00	-1.0748E+01	-1.5140E+00	-1.0725E+01
18.5	-7.8315E-01	-1.1127E+01	-4.8509E-01	-1.1075E+01
18.6	3.0107E-01	-1.1412E+01	5.9764E-01	-1.1330E+01
18.7	1.4337E+00	-1.1596E+01	1.7258E+00	-1.1483E+01
18.8	2.6056E+00	-1.1671E+01	2.8903E+00	-1.1529E+01
18.9	3.8070E+00	-1.1632E+01	4.0812E+00	-1.1460E+01
19.0	5.0271E+00	-1.1474E+01	5.2877E+00	-1.1272E+01
19.1	6.2545E+00	-1.1193E+01	6.4985E+00	-1.0963E+01
19.2	7.4772E+00	-1.0786E+01	7.7017E+00	-1.0528E+01
19.3	8.6828E+00	-1.0250E+01	8.8847E+00	-9.9666E+00
19.4	9.8582E+00	-9.5850E+00	1.0035E+01	-9.2781E+00
19.5	1.0990E+01	-8.7919E+00	1.1139E+01	-8.4632E+00
19.6	1.2065E+01	-7.8721E+00	1.2183E+01	-7.5242E+00
19.7	1.3070E+01	-6.8290E+00	1.3155E+01	-6.4645E+00
19.8	1.3991E+01	-5.6670E+00	1.4041E+01	-5.2890E+00
19.9	1.4814E+01	-4.3924E+00	1.4828E+01	-4.0039E+00
20.0	1.5527E+01	-3.0124E+00	1.5504E+01	-2.6170E+00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	9.9765E-01	8.5405E-04	8.6512E-03	4.9186E-02
0.2	9.9062E-01	3.4042E-03	1.7115E-02	9.8048E-02
0.3	9.7895E-01	7.6144E-03	2.5208E-02	1.4626E-01
0.4	9.6272E-01	1.3425E-02	3.2750E-02	1.9351E-01
0.5	9.4201E-01	2.0754E-02	3.9568E-02	2.3949E-01
0.6	9.1697E-01	2.9498E-02	4.5498E-02	2.8388E-01
0.7	8.8774E-01	3.9530E-02	5.0389E-02	3.2640E-01
0.8	8.5450E-01	5.0707E-02	5.4102E-02	3.6675E-01
0.9	8.1745E-01	6.2866E-02	5.6514E-02	4.0468E-01
1.0	7.7683E-01	7.5831E-02	5.7519E-02	4.3993E-01
1.1	7.3289E-01	8.9408E-02	5.7028E-02	4.7226E-01
1.2	6.8589E-01	1.0339E-01	5.4974E-02	5.0145E-01
1.3	6.3613E-01	1.1758E-01	5.1309E-02	5.2731E-01
1.4	5.8392E-01	1.3174E-01	4.6009E-02	5.4965E-01
1.5	5.2958E-01	1.4565E-01	3.9071E-02	5.6832E-01
1.6	4.7345E-01	1.5910E-01	3.0514E-02	5.8320E-01
1.7	4.1589E-01	1.7184E-01	2.0381E-02	5.9417E-01
1.8	3.5725E-01	1.8367E-01	8.7385E-03	6.0116E-01
1.9	2.9791E-01	1.9437E-01	-4.3264E-03	6.0410E-01
2.0	2.3824E-01	2.0374E-01	-1.8704E-02	6.0299E-01
2.1	1.7862E-01	2.1157E-01	-3.4263E-02	5.9781E-01
2.2	1.1943E-01	2.1769E-01	-5.0855E-02	5.8860E-01
2.3	6.1051E-02	2.2194E-01	-6.8310E-02	5.7541E-01
2.4	3.8507E-03	2.2418E-01	-8.6445E-02	5.5833E-01
2.5	-5.1799E-02	2.2427E-01	-1.0506E-01	5.3747E-01
2.6	-1.0554E-01	2.2212E-01	-1.2394E-01	5.1297E-01
2.7	-1.5703E-01	2.1765E-01	-1.4286E-01	4.8500E-01
2.8	-2.0592E-01	2.1081E-01	-1.6160E-01	4.5374E-01
2.9	-2.5190E-01	2.0158E-01	-1.7991E-01	4.1943E-01
3.0	-2.9468E-01	1.8995E-01	-1.9756E-01	3.8229E-01
3.1	-3.3397E-01	1.7596E-01	-2.1431E-01	3.4259E-01
3.2	-3.6952E-01	1.5966E-01	-2.2991E-01	3.0061E-01
3.3	-4.0109E-01	1.4115E-01	-2.4414E-01	2.5667E-01
3.4	-4.2849E-01	1.2053E-01	-2.5677E-01	2.1107E-01
3.5	-4.5153E-01	9.7954E-02	-2.6759E-01	1.6416E-01
3.6	-4.7007E-01	7.3586E-02	-2.7639E-01	1.1627E-01
3.7	-4.8400E-01	4.7621E-02	-2.8300E-01	6.7787E-02
3.8	-4.9323E-01	2.0277E-02	-2.8723E-01	1.9059E-02
3.9	-4.9772E-01	-8.2072E-03	-2.8896E-01	-2.9534E-02
4.0	-4.9745E-01	-3.7573E-02	-2.8805E-01	-7.7616E-02
4.1	-4.9245E-01	-6.7542E-02	-2.8440E-01	-1.2481E-01
4.2	-4.8277E-01	-9.7824E-02	-2.7795E-01	-1.7074E-01
4.3	-4.6851E-01	-1.2812E-01	-2.6866E-01	-2.1504E-01
4.4	-4.4979E-01	-1.5810E-01	-2.5650E-01	-2.5735E-01
4.5	-4.2679E-01	-1.8747E-01	-2.4149E-01	-2.9731E-01
4.6	-3.9969E-01	-2.1588E-01	-2.2368E-01	-3.3460E-01
4.7	-3.6874E-01	-2.4304E-01	-2.0316E-01	-3.6888E-01
4.8	-3.3418E-01	-2.6860E-01	-1.8002E-01	-3.9987E-01
4.9	-2.9633E-01	-2.9228E-01	-1.5441E-01	-4.2728E-01
5.0	-2.5550E-01	-3.1376E-01	-1.2650E-01	-4.5087E-01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-2.5550E-01	-3.1376E-01	-1.2650E-01	-4.5087E-01
5.1	-2.1204E-01	-3.3276E-01	-9.6495E-02	-4.7040E-01
5.2	-1.6633E-01	-3.4901E-01	-6.4621E-02	-4.8568E-01
5.3	-1.1876E-01	-3.6228E-01	-3.1133E-02	-4.9655E-01
5.4	-6.9751E-02	-3.7232E-01	3.6870E-03	-5.0288E-01
5.5	-1.9732E-02	-3.7895E-01	3.9537E-02	-5.0457E-01
5.6	3.0852E-02	-3.8201E-01	7.6093E-02	-5.0157E-01
5.7	8.1547E-02	-3.8135E-01	1.1302E-01	-4.9385E-01
5.8	1.3189E-01	-3.7687E-01	1.4995E-01	-4.8143E-01
5.9	1.8142E-01	-3.6852E-01	1.8653E-01	-4.6438E-01
6.0	2.2968E-01	-3.5626E-01	2.2239E-01	-4.4280E-01
6.1	2.7621E-01	-3.4010E-01	2.5714E-01	-4.1681E-01
6.2	3.2056E-01	-3.2011E-01	2.9041E-01	-3.8660E-01
6.3	3.6230E-01	-2.9637E-01	3.2183E-01	-3.5240E-01
6.4	4.0101E-01	-2.6901E-01	3.5103E-01	-3.1444E-01
6.5	4.3630E-01	-2.3822E-01	3.7766E-01	-2.7303E-01
6.6	4.6778E-01	-2.0419E-01	4.0137E-01	-2.2850E-01
6.7	4.9513E-01	-1.6719E-01	4.2185E-01	-1.8119E-01
6.8	5.1802E-01	-1.2749E-01	4.3881E-01	-1.3151E-01
6.9	5.3619E-01	-8.5438E-02	4.5196E-01	-7.9862E-02
7.0	5.4938E-01	-4.1372E-02	4.6108E-01	-2.6702E-02
7.1	5.5740E-01	4.3167E-03	4.6596E-01	2.7512E-02
7.2	5.6010E-01	5.1217E-02	4.6642E-01	8.2296E-02
7.3	5.5736E-01	9.8892E-02	4.6233E-01	1.3715E-01
7.4	5.4913E-01	1.4689E-01	4.5360E-01	1.9158E-01
7.5	5.3538E-01	1.9473E-01	4.4020E-01	2.4506E-01
7.6	5.1617E-01	2.4194E-01	4.2211E-01	2.9709E-01
7.7	4.9157E-01	2.8802E-01	3.9939E-01	3.4714E-01
7.8	4.6172E-01	3.3249E-01	3.7212E-01	3.9473E-01
7.9	4.2682E-01	3.7486E-01	3.4045E-01	4.3935E-01
8.0	3.8710E-01	4.1465E-01	3.0456E-01	4.8054E-01
8.1	3.4285E-01	4.5139E-01	2.6469E-01	5.1783E-01
8.2	2.9442E-01	4.8462E-01	2.2113E-01	5.5082E-01
8.3	2.4218E-01	5.1393E-01	1.7419E-01	5.7909E-01
8.4	1.8655E-01	5.3891E-01	1.2425E-01	6.0230E-01
8.5	1.2802E-01	5.5920E-01	7.1708E-02	6.2011E-01
8.6	6.7081E-02	5.7447E-01	1.7018E-02	6.3226E-01
8.7	4.2675E-03	5.8443E-01	-3.9342E-02	6.3850E-01
8.8	-5.9853E-02	5.8882E-01	-9.6864E-02	6.3866E-01
8.9	-1.2469E-01	5.8747E-01	-1.5501E-01	6.3261E-01
9.0	-1.8963E-01	5.8022E-01	-2.1323E-01	6.2028E-01
9.1	-2.5406E-01	5.6699E-01	-2.7095E-01	6.0164E-01
9.2	-3.1733E-01	5.4775E-01	-3.2758E-01	5.7673E-01
9.3	-3.7881E-01	5.2252E-01	-3.8254E-01	5.4566E-01
9.4	-4.3788E-01	4.9140E-01	-4.3523E-01	5.0859E-01
9.5	-4.9390E-01	4.5452E-01	-4.8508E-01	4.6575E-01
9.6	-5.4626E-01	4.1211E-01	-5.3151E-01	4.1740E-01
9.7	-5.9437E-01	3.6443E-01	-5.7397E-01	3.6389E-01
9.8	-6.3768E-01	3.1182E-01	-6.1192E-01	3.0563E-01
9.9	-6.7565E-01	2.5466E-01	-6.4488E-01	2.4305E-01
10.0	-7.0779E-01	1.9340E-01	-6.7237E-01	1.7666E-01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	-7.0779E-01	1.9340E-01	-6.7237E-01	1.7666E-01
10.1	-7.3366E-01	1.2854E-01	-6.9397E-01	1.0701E-01
10.2	-7.5285E-01	6.0623E-02	-7.0931E-01	3.4707E-02
10.3	-7.6502E-01	-9.7566E-03	-7.1805E-01	-3.9626E-02
10.4	-7.6990E-01	-8.1964E-02	-7.1993E-01	-1.1531E-01
10.5	-7.6725E-01	-1.5533E-01	-7.1474E-01	-1.9166E-01
10.6	-7.5693E-01	-2.2916E-01	-7.0233E-01	-2.6793E-01
10.7	-7.3885E-01	-3.0272E-01	-6.8263E-01	-3.4340E-01
10.8	-7.1301E-01	-3.7529E-01	-6.5562E-01	-4.1730E-01
10.9	-6.7947E-01	-4.4610E-01	-6.2136E-01	-4.8889E-01
11.0	-6.3836E-01	-5.1440E-01	-5.8001E-01	-5.5740E-01
11.1	-5.8991E-01	-5.7945E-01	-5.3175E-01	-6.2210E-01
11.2	-5.3441E-01	-6.4050E-01	-4.7689E-01	-6.8227E-01
11.3	-4.7223E-01	-6.9684E-01	-4.1578E-01	-7.3719E-01
11.4	-4.0381E-01	-7.4777E-01	-3.4884E-01	-7.8622E-01
11.5	-3.2967E-01	-7.9264E-01	-2.7658E-01	-8.2870E-01
11.6	-2.5040E-01	-8.3082E-01	-1.9956E-01	-8.6408E-01
11.7	-1.6664E-01	-8.6177E-01	-1.1841E-01	-8.9181E-01
11.8	-7.9102E-02	-8.8496E-01	-3.3824E-02	-9.1144E-01
11.9	1.1443E-02	-8.9995E-01	5.3462E-02	-9.2256E-01
12.0	1.0418E-01	-9.0636E-01	1.4266E-01	-9.2484E-01
12.1	1.9826E-01	-9.0388E-01	2.3294E-01	-9.1803E-01
12.2	2.9279E-01	-8.9230E-01	3.2343E-01	-9.0196E-01
12.3	3.8684E-01	-8.7147E-01	4.1325E-01	-8.7655E-01
12.4	4.7947E-01	-8.4134E-01	5.0149E-01	-8.4180E-01
12.5	5.6974E-01	-8.0196E-01	5.8722E-01	-7.9780E-01
12.6	6.5668E-01	-7.5345E-01	6.6953E-01	-7.4475E-01
12.7	7.3936E-01	-6.9605E-01	7.4750E-01	-6.8292E-01
12.8	8.1685E-01	-6.3006E-01	8.2023E-01	-6.1268E-01
12.9	8.8823E-01	-5.5592E-01	8.8686E-01	-5.3451E-01
13.0	9.5264E-01	-4.7413E-01	9.4656E-01	-4.4895E-01
13.1	1.0093E+00	-3.8529E-01	9.9852E-01	-3.5666E-01
13.2	1.0573E+00	-2.9009E-01	1.0420E+00	-2.5836E-01
13.3	1.0961E+00	-1.8930E-01	1.0764E+00	-1.5485E-01
13.4	1.1250E+00	-8.3762E-02	1.1010E+00	-4.7018E-02
13.5	1.1434E+00	2.5602E-02	1.1154E+00	6.4198E-02
13.6	1.1510E+00	1.3781E-01	1.1190E+00	1.7779E-01
13.7	1.1472E+00	2.5182E-01	1.1116E+00	2.9270E-01
13.8	1.1318E+00	3.6655E-01	1.0930E+00	4.0784E-01
13.9	1.1048E+00	4.8088E-01	1.0629E+00	5.2207E-01
14.0	1.0659E+00	5.9364E-01	1.0213E+00	6.3424E-01
14.1	1.0154E+00	7.0368E-01	9.6842E-01	7.4318E-01
14.2	9.5326E-01	8.0980E-01	9.0434E-01	8.4774E-01
14.3	8.7992E-01	9.1085E-01	8.2941E-01	9.4674E-01
14.4	7.9575E-01	1.0057E+00	7.4406E-01	1.0391E+00
14.5	7.0130E-01	1.0931E+00	6.4884E-01	1.1236E+00
14.6	5.9721E-01	1.1721E+00	5.4441E-01	1.1993E+00
14.7	4.8426E-01	1.2417E+00	4.3154E-01	1.2652E+00
14.8	3.6332E-01	1.3008E+00	3.1110E-01	1.3203E+00
14.9	2.3536E-01	1.3485E+00	1.8409E-01	1.3638E+00
15.0	1.0146E-01	1.3841E+00	5.1575E-02	1.3950E+00

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	1.0146E-01	1.3841E+00	5.1575E-02	1.3950E+00
15.1	-3.7201E-02	1.4069E+00	-8.5291E-02	1.4131E+00
15.2	-1.7939E-01	1.4162E+00	-2.2527E-01	1.4176E+00
15.3	-3.2379E-01	1.4116E+00	-3.6705E-01	1.4081E+00
15.4	-4.6902E-01	1.3927E+00	-5.0929E-01	1.3844E+00
15.5	-6.1366E-01	1.3593E+00	-6.5057E-01	1.3461E+00
15.6	-7.5626E-01	1.3113E+00	-7.8946E-01	1.2934E+00
15.7	-8.9533E-01	1.2488E+00	-9.2451E-01	1.2262E+00
15.8	-1.0294E+00	1.1719E+00	-1.0543E+00	1.1449E+00
15.9	-1.1569E+00	1.0811E+00	-1.1773E+00	1.0498E+00
16.0	-1.2766E+00	9.7670E-01	-1.2921E+00	9.4155E-01
16.1	-1.3868E+00	8.5951E-01	-1.3974E+00	8.2078E-01
16.2	-1.4863E+00	7.3027E-01	-1.4918E+00	6.8836E-01
16.3	-1.5738E+00	5.8993E-01	-1.5740E+00	5.4525E-01
16.4	-1.6480E+00	4.3957E-01	-1.6429E+00	3.9258E-01
16.5	-1.7078E+00	2.8040E-01	-1.6974E+00	2.3158E-01
16.6	-1.7522E+00	1.1375E-01	-1.7366E+00	6.3609E-02
16.7	-1.7804E+00	-5.8929E-02	-1.7595E+00	-1.0985E-01
16.8	-1.7915E+00	-2.3608E-01	-1.7655E+00	-2.8725E-01
16.9	-1.7849E+00	-4.1608E-01	-1.7540E+00	-4.6692E-01
17.0	-1.7603E+00	-5.9720E-01	-1.7247E+00	-6.4715E-01
17.1	-1.7173E+00	-7.7765E-01	-1.6772E+00	-8.2616E-01
17.2	-1.6558E+00	-9.5562E-01	-1.6116E+00	-1.0021E+00
17.3	-1.5759E+00	-1.1292E+00	-1.5278E+00	-1.1732E+00
17.4	-1.4779E+00	-1.2967E+00	-1.4263E+00	-1.3376E+00
17.5	-1.3622E+00	-1.4560E+00	-1.3076E+00	-1.4934E+00
17.6	-1.2294E+00	-1.6055E+00	-1.1722E+00	-1.6388E+00
17.7	-1.0804E+00	-1.7432E+00	-1.0210E+00	-1.7721E+00
17.8	-9.1624E-01	-1.8675E+00	-8.5519E-01	-1.8915E+00
17.9	-7.3801E-01	-1.9768E+00	-6.7585E-01	-1.9956E+00
18.0	-5.4714E-01	-2.0695E+00	-4.8441E-01	-2.0828E+00
18.1	-3.4515E-01	-2.1441E+00	-2.8241E-01	-2.1517E+00
18.2	-1.3374E-01	-2.1994E+00	-7.1555E-02	-2.2011E+00
18.3	8.5256E-02	-2.2343E+00	1.4630E-01	-2.2299E+00
18.4	3.0987E-01	-2.2478E+00	3.6920E-01	-2.2372E+00
18.5	5.3802E-01	-2.2390E+00	5.9506E-01	-2.2224E+00
18.6	7.6752E-01	-2.2076E+00	8.2172E-01	-2.1849E+00
18.7	9.9613E-01	-2.1530E+00	1.0469E+00	-2.1243E+00
18.8	1.2215E+00	-2.0751E+00	1.2684E+00	-2.0407E+00
18.9	1.4413E+00	-1.9741E+00	1.4838E+00	-1.9342E+00
19.0	1.6532E+00	-1.8502E+00	1.6908E+00	-1.8051E+00
19.1	1.8548E+00	-1.7040E+00	1.8871E+00	-1.6541E+00
19.2	2.0438E+00	-1.5363E+00	2.0703E+00	-1.4820E+00
19.3	2.2179E+00	-1.3481E+00	2.2383E+00	-1.2898E+00
19.4	2.3748E+00	-1.1407E+00	2.3890E+00	-1.0791E+00
19.5	2.5127E+00	-9.1555E-01	2.5202E+00	-8.5113E-01
19.6	2.6294E+00	-6.7445E-01	2.6301E+00	-6.0784E-01
19.7	2.7232E+00	-4.1931E-01	2.7170E+00	-3.5115E-01
19.8	2.7924E+00	-1.5225E-01	2.7792E+00	-8.3229E-02
19.9	2.8356E+00	1.2439E-01	2.8154E+00	1.9358E-01
20.0	2.8517E+00	4.0815E-01	2.8245E+00	4.7680E-01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.0000E-01	0.0000E-01	0.0000E-01
0.1	9.9754E-01	4.3359E-04	4.3416E-03	4.9749E-02
0.2	9.9018E-01	1.7279E-03	8.5865E-03	9.9137E-02
0.3	9.7796E-01	3.8640E-03	1.2639E-02	1.4780E-01
0.4	9.6098E-01	6.8100E-03	1.6407E-02	1.9540E-01
0.5	9.3936E-01	1.0522E-02	1.9801E-02	2.4158E-01
0.6	9.1325E-01	1.4946E-02	2.2737E-02	2.8600E-01
0.7	8.8284E-01	2.0014E-02	2.5139E-02	3.2835E-01
0.8	8.4835E-01	2.5651E-02	2.6934E-02	3.6833E-01
0.9	8.1001E-01	3.1771E-02	2.8063E-02	4.0565E-01
1.0	7.6811E-01	3.8281E-02	2.8472E-02	4.4004E-01
1.1	7.2294E-01	4.5080E-02	2.8118E-02	4.7127E-01
1.2	6.7481E-01	5.2061E-02	2.6970E-02	4.9911E-01
1.3	6.2408E-01	5.9116E-02	2.5008E-02	5.2338E-01
1.4	5.7109E-01	6.6129E-02	2.2222E-02	5.4391E-01
1.5	5.1623E-01	7.2986E-02	1.8616E-02	5.6058E-01
1.6	4.5986E-01	7.9571E-02	1.4204E-02	5.7327E-01
1.7	4.0239E-01	8.5771E-02	9.0136E-03	5.8191E-01
1.8	3.4421E-01	9.1474E-02	3.0837E-03	5.8646E-01
1.9	2.8573E-01	9.6573E-02	-3.5355E-03	5.8692E-01
2.0	2.2735E-01	1.0097E-01	-1.0782E-02	5.8331E-01
2.1	1.6946E-01	1.0456E-01	-1.8585E-02	5.7567E-01
2.2	1.1245E-01	1.0727E-01	-2.6863E-02	5.6410E-01
2.3	5.6723E-02	1.0902E-01	-3.5524E-02	5.4871E-01
2.4	2.6324E-03	1.0974E-01	-4.4472E-02	5.2964E-01
2.5	-4.9462E-02	1.0938E-01	-5.3601E-02	5.0707E-01
2.6	-9.9221E-02	1.0789E-01	-6.2800E-02	4.8120E-01
2.7	-1.4633E-01	1.0524E-01	-7.1956E-02	4.5225E-01
2.8	-1.9049E-01	1.0143E-01	-8.0950E-02	4.2047E-01
2.9	-2.3143E-01	9.6446E-02	-8.9663E-02	3.8612E-01
3.0	-2.6890E-01	9.0303E-02	-9.7976E-02	3.4951E-01
3.1	-3.0270E-01	8.3029E-02	-1.0577E-01	3.1092E-01
3.2	-3.3264E-01	7.4665E-02	-1.1293E-01	2.7069E-01
3.3	-3.5856E-01	6.5268E-02	-1.1935E-01	2.2915E-01
3.4	-3.8034E-01	5.4905E-02	-1.2492E-01	1.8662E-01
3.5	-3.9789E-01	4.3661E-02	-1.2954E-01	1.4346E-01
3.6	-4.1117E-01	3.1630E-02	-1.3312E-01	1.0002E-01
3.7	-4.2014E-01	1.8919E-02	-1.3559E-01	5.6653E-02
3.8	-4.2483E-01	5.6437E-03	-1.3687E-01	1.3698E-02
3.9	-4.2528E-01	-8.0682E-03	-1.3690E-01	-2.8499E-02
4.0	-4.2157E-01	-2.2082E-02	-1.3564E-01	-6.9603E-02
4.1	-4.1382E-01	-3.6258E-02	-1.3306E-01	-1.0929E-01
4.2	-4.0217E-01	-5.0448E-02	-1.2913E-01	-1.4725E-01
4.3	-3.8679E-01	-6.4503E-02	-1.2387E-01	-1.8319E-01
4.4	-3.6790E-01	-7.8270E-02	-1.1727E-01	-2.1683E-01
4.5	-3.4572E-01	-9.1596E-02	-1.0937E-01	-2.4792E-01
4.6	-3.2050E-01	-1.0433E-01	-1.0020E-01	-2.7622E-01
4.7	-2.9253E-01	-1.1633E-01	-8.9832E-02	-3.0152E-01
4.8	-2.6210E-01	-1.2744E-01	-7.8328E-02	-3.2364E-01
4.9	-2.2952E-01	-1.3753E-01	-6.5777E-02	-3.4243E-01
5.0	-1.9513E-01	-1.4647E-01	-5.2279E-02	-3.5775E-01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-1.9513E-01	-1.4647E-01	-5.2279E-02	-3.5775E-01
5.1	-1.5927E-01	-1.5414E-01	-3.7944E-02	-3.6952E-01
5.2	-1.2229E-01	-1.6044E-01	-2.2899E-02	-3.7766E-01
5.3	-8.4542E-02	-1.6526E-01	-7.2763E-03	-3.8215E-01
5.4	-4.6395E-02	-1.6852E-01	8.7788E-03	-3.8297E-01
5.5	-8.2059E-03	-1.7017E-01	2.5115E-02	-3.8016E-01
5.6	2.9667E-02	-1.7013E-01	4.1572E-02	-3.7377E-01
5.7	6.6873E-02	-1.6839E-01	5.7989E-02	-3.6390E-01
5.8	1.0307E-01	-1.6492E-01	7.4197E-02	-3.5066E-01
5.9	1.3792E-01	-1.5972E-01	9.0029E-02	-3.3420E-01
6.0	1.7112E-01	-1.5282E-01	1.0532E-01	-3.1470E-01
6.1	2.0236E-01	-1.4424E-01	1.1989E-01	-2.9235E-01
6.2	2.3137E-01	-1.3405E-01	1.3360E-01	-2.6739E-01
6.3	2.5788E-01	-1.2231E-01	1.4627E-01	-2.4005E-01
6.4	2.8167E-01	-1.0912E-01	1.5777E-01	-2.1061E-01
6.5	3.0253E-01	-9.4586E-02	1.6795E-01	-1.7935E-01
6.6	3.2028E-01	-7.8829E-02	1.7668E-01	-1.4657E-01
6.7	3.3477E-01	-6.1987E-02	1.8385E-01	-1.1258E-01
6.8	3.4588E-01	-4.4214E-02	1.8935E-01	-7.7697E-02
6.9	3.5353E-01	-2.5673E-02	1.9309E-01	-4.2259E-02
7.0	3.5765E-01	-6.5401E-03	1.9501E-01	-6.5943E-03
7.1	3.5824E-01	1.3001E-02	1.9504E-01	2.8963E-02
7.2	3.5529E-01	3.2759E-02	1.9316E-01	6.4081E-02
7.3	3.4886E-01	5.2536E-02	1.8934E-01	9.8434E-02
7.4	3.3901E-01	7.2131E-02	1.8359E-01	1.3170E-01
7.5	3.2586E-01	9.1342E-02	1.7592E-01	1.6357E-01
7.6	3.0954E-01	1.0997E-01	1.6639E-01	1.9376E-01
7.7	2.9021E-01	1.2781E-01	1.5506E-01	2.2197E-01
7.8	2.6808E-01	1.4467E-01	1.4199E-01	2.4796E-01
7.9	2.4336E-01	1.6036E-01	1.2730E-01	2.7147E-01
8.0	2.1630E-01	1.7470E-01	1.1110E-01	2.9230E-01
8.1	1.8715E-01	1.8753E-01	9.3535E-02	3.1025E-01
8.2	1.5621E-01	1.9870E-01	7.4746E-02	3.2515E-01
8.3	1.2378E-01	2.0805E-01	5.4904E-02	3.3686E-01
8.4	9.0161E-02	2.1547E-01	3.4191E-02	3.4529E-01
8.5	5.5689E-02	2.2085E-01	1.2798E-02	3.5034E-01
8.6	2.0694E-02	2.2410E-01	-9.0722E-03	3.5198E-01
8.7	-1.4484E-02	2.2516E-01	-3.1208E-02	3.5018E-01
8.8	-4.9507E-02	2.2398E-01	-5.3394E-02	3.4498E-01
8.9	-8.4035E-02	2.2053E-01	-7.5409E-02	3.3641E-01
9.0	-1.1774E-01	2.1482E-01	-9.7028E-02	3.2455E-01
9.1	-1.5028E-01	2.0687E-01	-1.1803E-01	3.0952E-01
9.2	-1.8136E-01	1.9672E-01	-1.3820E-01	2.9146E-01
9.3	-2.1066E-01	1.8444E-01	-1.5731E-01	2.7054E-01
9.4	-2.3791E-01	1.7012E-01	-1.7517E-01	2.4696E-01
9.5	-2.6284E-01	1.5389E-01	-1.9156E-01	2.2093E-01
9.6	-2.8519E-01	1.3586E-01	-2.0631E-01	1.9271E-01
9.7	-3.0476E-01	1.1619E-01	-2.1925E-01	1.6256E-01
9.8	-3.2134E-01	9.5068E-02	-2.3021E-01	1.3076E-01
9.9	-3.3477E-01	7.2673E-02	-2.3905E-01	9.7624E-02
10.0	-3.4492E-01	4.9214E-02	-2.4565E-01	6.3462E-02

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	-3.4492E-01	4.9214E-02	-2.4565E-01	6.3462E-02
10.1	-3.5167E-01	2.4911E-02	-2.4992E-01	2.8602E-02
10.2	-3.5495E-01	-3.0346E-06	-2.5178E-01	-6.6236E-03
10.3	-3.5473E-01	-2.5286E-02	-2.5116E-01	-4.1876E-02
10.4	-3.5099E-01	-5.0689E-02	-2.4804E-01	-7.6814E-02
10.5	-3.4376E-01	-7.5959E-02	-2.4241E-01	-1.1110E-01
10.6	-3.3311E-01	-1.0084E-01	-2.3429E-01	-1.4440E-01
10.7	-3.1911E-01	-1.2507E-01	-2.2372E-01	-1.7639E-01
10.8	-3.0191E-01	-1.4840E-01	-2.1078E-01	-2.0676E-01
10.9	-2.8165E-01	-1.7059E-01	-1.9555E-01	-2.3521E-01
11.0	-2.5852E-01	-1.9139E-01	-1.7816E-01	-2.6145E-01
11.1	-2.3274E-01	-2.1057E-01	-1.5874E-01	-2.8521E-01
11.2	-2.0455E-01	-2.2791E-01	-1.3746E-01	-3.0627E-01
11.3	-1.7421E-01	-2.4323E-01	-1.1450E-01	-3.2440E-01
11.4	-1.4201E-01	-2.5632E-01	-9.0078E-02	-3.3942E-01
11.5	-1.0826E-01	-2.6704E-01	-6.4405E-02	-3.5116E-01
11.6	-7.3276E-02	-2.7523E-01	-3.7722E-02	-3.5950E-01
11.7	-3.7403E-02	-2.8079E-01	-1.0281E-02	-3.6433E-01
11.8	-9.8307E-04	-2.8361E-01	1.7656E-02	-3.6560E-01
11.9	3.5628E-02	-2.8362E-01	4.5817E-02	-3.6327E-01
12.0	7.2074E-02	-2.8080E-01	7.3923E-02	-3.5735E-01
12.1	1.0800E-01	-2.7513E-01	1.0169E-01	-3.4787E-01
12.2	1.4304E-01	-2.6661E-01	1.2885E-01	-3.3491E-01
12.3	1.7685E-01	-2.5531E-01	1.5510E-01	-3.1857E-01
12.4	2.0910E-01	-2.4129E-01	1.8019E-01	-2.9899E-01
12.5	2.3946E-01	-2.2466E-01	2.0383E-01	-2.7635E-01
12.6	2.6762E-01	-2.0555E-01	2.2578E-01	-2.5085E-01
12.7	2.9328E-01	-1.8411E-01	2.4578E-01	-2.2272E-01
12.8	3.1619E-01	-1.6053E-01	2.6363E-01	-1.9221E-01
12.9	3.3610E-01	-1.3501E-01	2.7909E-01	-1.5961E-01
13.0	3.5279E-01	-1.0778E-01	2.9200E-01	-1.2523E-01
13.1	3.6608E-01	-7.9100E-02	3.0217E-01	-8.9387E-02
13.2	3.7582E-01	-4.9228E-02	3.0948E-01	-5.2423E-02
13.3	3.8189E-01	-1.8449E-02	3.1381E-01	-1.4693E-02
13.4	3.8419E-01	1.2939E-02	3.1507E-01	2.3440E-02
13.5	3.8270E-01	4.4631E-02	3.1321E-01	6.1605E-02
13.6	3.7738E-01	7.6312E-02	3.0821E-01	9.9429E-02
13.7	3.6827E-01	1.0766E-01	3.0006E-01	1.3654E-01
13.8	3.5544E-01	1.3837E-01	2.8881E-01	1.7256E-01
13.9	3.3897E-01	1.6811E-01	2.7453E-01	2.0715E-01
14.0	3.1900E-01	1.9658E-01	2.5732E-01	2.3994E-01
14.1	2.9571E-01	2.2346E-01	2.3730E-01	2.7059E-01
14.2	2.6930E-01	2.4848E-01	2.1464E-01	2.9881E-01
14.3	2.4000E-01	2.7135E-01	1.8953E-01	3.2428E-01
14.4	2.0809E-01	2.9181E-01	1.6219E-01	3.4673E-01
14.5	1.7385E-01	3.0963E-01	1.3285E-01	3.6593E-01
14.6	1.3760E-01	3.2459E-01	1.0179E-01	3.8165E-01
14.7	9.9699E-02	3.3650E-01	6.9285E-02	3.9372E-01
14.8	6.0491E-02	3.4521E-01	3.5644E-02	4.0198E-01
14.9	2.0357E-02	3.5057E-01	1.1875E-03	4.0633E-01
15.0	-2.0313E-02	3.5250E-01	-3.3752E-02	4.0668E-01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	-2.0313E-02	3.5250E-01	-3.3752E-02	4.0668E-01
15.1	-6.1123E-02	3.5092E-01	-6.8833E-02	4.0300E-01
15.2	-1.0167E-01	3.4581E-01	-1.0371E-01	3.9528E-01
15.3	-1.4155E-01	3.3716E-01	-1.3802E-01	3.8359E-01
15.4	-1.8037E-01	3.2501E-01	-1.7143E-01	3.6798E-01
15.5	-2.1773E-01	3.0945E-01	-2.0358E-01	3.4858E-01
15.6	-2.5324E-01	2.9057E-01	-2.3414E-01	3.2555E-01
15.7	-2.8655E-01	2.6852E-01	-2.6278E-01	2.9909E-01
15.8	-3.1730E-01	2.4349E-01	-2.8919E-01	2.6941E-01
15.9	-3.4516E-01	2.1568E-01	-3.1307E-01	2.3680E-01
16.0	-3.6984E-01	1.8533E-01	-3.3415E-01	2.0153E-01
16.1	-3.9106E-01	1.5271E-01	-3.5218E-01	1.6393E-01
16.2	-4.0857E-01	1.1812E-01	-3.6695E-01	1.2436E-01
16.3	-4.2217E-01	8.1880E-02	-3.7825E-01	8.3182E-02
16.4	-4.3168E-01	4.4326E-02	-3.8593E-01	4.0788E-02
16.5	-4.3698E-01	5.8200E-03	-3.8986E-01	-2.4130E-03
16.6	-4.3797E-01	-3.3266E-02	-3.8996E-01	-4.6004E-02
16.7	-4.3460E-01	-7.2548E-02	-3.8616E-01	-8.9557E-02
16.8	-4.2687E-01	-1.1163E-01	-3.7846E-01	-1.3264E-01
16.9	-4.1479E-01	-1.5013E-01	-3.6687E-01	-1.7483E-01
17.0	-3.9846E-01	-1.8764E-01	-3.5146E-01	-2.1569E-01
17.1	-3.7799E-01	-2.2379E-01	-3.3233E-01	-2.5481E-01
17.2	-3.5354E-01	-2.5818E-01	-3.0963E-01	-2.9179E-01
17.3	-3.2533E-01	-2.9044E-01	-2.8352E-01	-3.2624E-01
17.4	-2.9358E-01	-3.2024E-01	-2.5423E-01	-3.5778E-01
17.5	-2.5857E-01	-3.4722E-01	-2.2200E-01	-3.8609E-01
17.6	-2.2063E-01	-3.7110E-01	-1.8712E-01	-4.1084E-01
17.7	-1.8010E-01	-3.9158E-01	-1.4989E-01	-4.3176E-01
17.8	-1.3735E-01	-4.0841E-01	-1.1067E-01	-4.4859E-01
17.9	-9.2789E-02	-4.2138E-01	-6.9798E-02	-4.6114E-01
18.0	-4.6836E-02	-4.3030E-01	-2.7679E-02	-4.6922E-01
18.1	6.6278E-05	-4.3503E-01	1.5289E-02	-4.7272E-01
18.2	4.7462E-02	-4.3547E-01	5.8688E-02	-4.7155E-01
18.3	9.4884E-02	-4.3155E-01	1.0209E-01	-4.6567E-01
18.4	1.4186E-01	-4.2325E-01	1.4506E-01	-4.5509E-01
18.5	1.8793E-01	-4.1059E-01	1.8717E-01	-4.3986E-01
18.6	2.3261E-01	-3.9365E-01	2.2798E-01	-4.2009E-01
18.7	2.7545E-01	-3.7254E-01	2.6706E-01	-3.9592E-01
18.8	3.1600E-01	-3.4740E-01	3.0401E-01	-3.6754E-01
18.9	3.5384E-01	-3.1845E-01	3.3842E-01	-3.3519E-01
19.0	3.8855E-01	-2.8590E-01	3.6992E-01	-2.9915E-01
19.1	4.1976E-01	-2.5006E-01	3.9815E-01	-2.5972E-01
19.2	4.4713E-01	-2.1122E-01	4.2279E-01	-2.1727E-01
19.3	4.7032E-01	-1.6973E-01	4.4353E-01	-1.7219E-01
19.4	4.8908E-01	-1.2598E-01	4.6012E-01	-1.2489E-01
19.5	5.0316E-01	-8.0373E-02	4.7234E-01	-7.5807E-02
19.6	5.1236E-01	-3.3339E-02	4.8001E-01	-2.5420E-02
19.7	5.1655E-01	1.4668E-02	4.8298E-01	2.5789E-02
19.8	5.1562E-01	6.3181E-02	4.8116E-01	7.7322E-02
19.9	5.0952E-01	1.1172E-01	4.7451E-01	1.2867E-01
20.0	4.9826E-01	1.5980E-01	4.6303E-01	1.7932E-01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
0.0	1.0000E+00	0.00	0.00	0.0000E-01
0.1	9.9750E-01			4.9938E-02
0.2	9.9002E-01			9.9501E-02
0.3	9.7763E-01			1.4832E-01
0.4	9.6040E-01			1.9603E-01
0.5	9.3847E-01			2.4227E-01
0.6	9.1200E-01			2.8670E-01
0.7	8.8120E-01			3.2900E-01
0.8	8.4629E-01			3.6884E-01
0.9	8.0752E-01			4.0595E-01
1.0	7.6520E-01	0.00	0.00	4.4005E-01
1.1	7.1962E-01			4.7090E-01
1.2	6.7113E-01			4.9829E-01
1.3	6.2009E-01			5.2202E-01
1.4	5.6686E-01			5.4195E-01
1.5	5.1183E-01			5.5794E-01
1.6	4.5540E-01			5.6990E-01
1.7	3.9798E-01			5.7777E-01
1.8	3.3999E-01			5.8152E-01
1.9	2.8182E-01			5.8116E-01
2.0	2.2389E-01	0.00	0.00	5.7672E-01
2.1	1.6661E-01			5.6829E-01
2.2	1.1036E-01			5.5596E-01
2.3	5.5540E-02			5.3987E-01
2.4	2.5076E-03			5.2019E-01
2.5	-4.8384E-02			4.9709E-01
2.6	-9.6805E-02			4.7082E-01
2.7	-1.4245E-01			4.4160E-01
2.8	-1.8504E-01			4.0971E-01
2.9	-2.2431E-01			3.7543E-01
3.0	-2.6005E-01	0.00	0.00	3.3906E-01
3.1	-2.9206E-01			3.0092E-01
3.2	-3.2019E-01			2.6134E-01
3.3	-3.4430E-01			2.2066E-01
3.4	-3.6430E-01			1.7923E-01
3.5	-3.8013E-01			1.3738E-01
3.6	-3.9177E-01			9.5466E-02
3.7	-3.9923E-01			5.3834E-02
3.8	-4.0256E-01			1.2821E-02
3.9	-4.0183E-01			-2.7244E-02
4.0	-3.9715E-01	0.00	0.00	-6.6043E-02
4.1	-3.8867E-01			-1.0327E-01
4.2	-3.7656E-01			-1.3865E-01
4.3	-3.6101E-01			-1.7190E-01
4.4	-3.4226E-01			-2.0278E-01
4.5	-3.2054E-01			-2.3106E-01
4.6	-2.9614E-01			-2.5655E-01
4.7	-2.6933E-01			-2.7908E-01
4.8	-2.4043E-01			-2.9850E-01
4.9	-2.0974E-01			-3.1469E-01
5.0	-1.7760E-01	0.00	0.00	-3.2758E-01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
5.0	-1.7760E-01	0.00	0.00	-3.2758E-01
5.1	-1.4433E-01			-3.3710E-01
5.2	-1.1029E-01			-3.4322E-01
5.3	-7.5803E-02			-3.4596E-01
5.4	-4.1210E-02			-3.4534E-01
5.5	-6.8439E-03			-3.4144E-01
5.6	2.6971E-02			-3.3433E-01
5.7	5.9920E-02			-3.2415E-01
5.8	9.1703E-02			-3.1103E-01
5.9	1.2203E-01			-2.9514E-01
6.0	1.5065E-01	0.00	0.00	-2.7668E-01
6.1	1.7729E-01			-2.5586E-01
6.2	2.0175E-01			-2.3292E-01
6.3	2.2381E-01			-2.0809E-01
6.4	2.4331E-01			-1.8164E-01
6.5	2.6009E-01			-1.5384E-01
6.6	2.7404E-01			-1.2498E-01
6.7	2.8506E-01			-9.5342E-02
6.8	2.9310E-01			-6.5219E-02
6.9	2.9810E-01			-3.4902E-02
7.0	3.0008E-01	0.00	0.00	-4.6828E-03
7.1	2.9905E-01			2.5153E-02
7.2	2.9507E-01			5.4328E-02
7.3	2.8822E-01			8.2570E-02
7.4	2.7860E-01			1.0963E-01
7.5	2.6634E-01			1.3525E-01
7.6	2.5160E-01			1.5921E-01
7.7	2.3456E-01			1.8131E-01
7.8	2.1541E-01			2.0136E-01
7.9	1.9436E-01			2.1918E-01
8.0	1.7165E-01	0.00	0.00	2.3464E-01
8.1	1.4752E-01			2.4761E-01
8.2	1.2222E-01			2.5800E-01
8.3	9.6006E-02			2.6574E-01
8.4	6.9157E-02			2.7079E-01
8.5	4.1939E-02			2.7312E-01
8.6	1.4623E-02			2.7275E-01
8.7	-1.2523E-02			2.6972E-01
8.8	-3.9234E-02			2.6407E-01
8.9	-6.5253E-02			2.5590E-01
9.0	-9.0334E-02	0.00	0.00	2.4531E-01
9.1	-1.1424E-01			2.3243E-01
9.2	-1.3675E-01			2.1741E-01
9.3	-1.5766E-01			2.0041E-01
9.4	-1.7677E-01			1.8163E-01
9.5	-1.9393E-01			1.6126E-01
9.6	-2.0898E-01			1.3952E-01
9.7	-2.2180E-01			1.1664E-01
9.8	-2.3228E-01			9.2840E-02
9.9	-2.4034E-01			6.8370E-02
10.0	-2.4594E-01	0.00	0.00	4.3473E-02

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
10.0	-2.4594E-01	0.00	0.00	4.3473E-02
10.1	-2.4903E-01			1.8395E-02
10.2	-2.4962E-01			-6.6157E-03
10.3	-2.4772E-01			-3.1318E-02
10.4	-2.4337E-01			-5.5473E-02
10.5	-2.3665E-01			-7.8850E-02
10.6	-2.2764E-01			-1.0123E-01
10.7	-2.1644E-01			-1.2240E-01
10.8	-2.0320E-01			-1.4217E-01
10.9	-1.8806E-01			-1.6035E-01
11.0	-1.7119E-01	0.00	0.00	-1.7679E-01
11.1	-1.5277E-01			-1.9133E-01
11.2	-1.3299E-01			-2.0385E-01
11.3	-1.1207E-01			-2.1426E-01
11.4	-9.0215E-02			-2.2245E-01
11.5	-6.7654E-02			-2.2838E-01
11.6	-4.4616E-02			-2.3200E-01
11.7	-2.1331E-02			-2.3330E-01
11.8	1.9672E-03			-2.3228E-01
11.9	2.5049E-02			-2.2898E-01
12.0	4.7689E-02	0.00	0.00	-2.2345E-01
12.1	6.9667E-02			-2.1575E-01
12.2	9.0770E-02			-2.0598E-01
12.3	1.1080E-01			-1.9426E-01
12.4	1.2956E-01			-1.8071E-01
12.5	1.4688E-01			-1.6548E-01
12.6	1.6261E-01			-1.4874E-01
12.7	1.7659E-01			-1.3066E-01
12.8	1.8870E-01			-1.1143E-01
12.9	1.9884E-01			-9.1248E-02
13.0	2.0693E-01	0.00	0.00	-7.0318E-02
13.1	2.1289E-01			-4.8852E-02
13.2	2.1669E-01			-2.7067E-02
13.3	2.1830E-01			-5.1774E-03
13.4	2.1773E-01			1.6599E-02
13.5	2.1499E-01			3.8049E-02
13.6	2.1013E-01			5.8965E-02
13.7	2.0322E-01			7.9143E-02
13.8	1.9434E-01			9.8391E-02
13.9	1.8358E-01			1.1652E-01
14.0	1.7107E-01	0.00	0.00	1.3338E-01
14.1	1.5695E-01			1.4878E-01
14.2	1.4137E-01			1.6261E-01
14.3	1.2449E-01			1.7473E-01
14.4	1.0648E-01			1.8503E-01
14.5	8.7545E-02			1.9343E-01
14.6	6.7864E-02			1.9985E-01
14.7	4.7642E-02			2.0425E-01
14.8	2.7082E-02			2.0660E-01
14.9	6.3914E-03			2.0688E-01
15.0	-1.4224E-02	0.00	0.00	2.0510E-01

R	RE(I0)	IM(I0)	RE(I1)	IM(I1)
15.0	-1.4224E-02	0.00	0.00	2.0510E-01
15.1	-3.4562E-02			2.0131E-01
15.2	-5.4421E-02			1.9555E-01
15.3	-7.3608E-02			1.8788E-01
15.4	-9.1936E-02			1.7840E-01
15.5	-1.0923E-01			1.6721E-01
15.6	-1.2533E-01			1.5444E-01
15.7	-1.4007E-01			1.4022E-01
15.8	-1.5333E-01			1.2469E-01
15.9	-1.6497E-01			1.0803E-01
16.0	-1.7490E-01	0.00	0.00	9.0397E-02
16.1	-1.8302E-01			7.1979E-02
16.2	-1.8927E-01			5.2961E-02
16.3	-1.9360E-01			3.3535E-02
16.4	-1.9597E-01			1.3895E-02
16.5	-1.9638E-01			-5.7642E-03
16.6	-1.9483E-01			-2.5247E-02
16.7	-1.9134E-01			-4.4363E-02
16.8	-1.8597E-01			-6.2923E-02
16.9	-1.7878E-01			-8.0749E-02
17.0	-1.6985E-01	0.00	0.00	-9.7668E-02
17.1	-1.5929E-01			-1.1352E-01
17.2	-1.4719E-01			-1.2815E-01
17.3	-1.3370E-01			-1.4142E-01
17.4	-1.1896E-01			-1.5322E-01
17.5	-1.0311E-01			-1.6342E-01
17.6	-8.6328E-02			-1.7194E-01
17.7	-6.8780E-02			-1.7871E-01
17.8	-5.0647E-02			-1.8366E-01
17.9	-3.2110E-02			-1.8677E-01
18.0	-1.3356E-02	0.00	0.00	-1.8799E-01
18.1	5.4271E-03			-1.8735E-01
18.2	2.4052E-02			-1.8485E-01
18.3	4.2336E-02			-1.8052E-01
18.4	6.0098E-02			-1.7443E-01
18.5	7.7165E-02			-1.6663E-01
18.6	9.3371E-02			-1.5723E-01
18.7	1.0856E-01			-1.4631E-01
18.8	1.2259E-01			-1.3399E-01
18.9	1.3532E-01			-1.2041E-01
19.0	1.4663E-01	0.00	0.00	-1.0570E-01
19.1	1.5642E-01			-9.0022E-02
19.2	1.6461E-01			-7.3529E-02
19.3	1.7111E-01			-5.6391E-02
19.4	1.7587E-01			-3.8782E-02
19.5	1.7885E-01			-2.0877E-02
19.6	1.8004E-01			-2.8565E-03
19.7	1.7943E-01			1.5101E-02
19.8	1.7703E-01			3.2817E-02
19.9	1.7288E-01			5.0117E-02
20.0	1.6702E-01	0.00	0.00	6.6833E-02

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.00	1.0000E+00	0.00
0.1	9.9875E-01		1.0012E+00	
0.2	9.9503E-01		1.0050E+00	
0.3	9.8892E-01		1.0112E+00	
0.4	9.8052E-01		1.0199E+00	
0.5	9.7000E-01		1.0309E+00	
0.6	9.5754E-01		1.0443E+00	
0.7	9.4336E-01		1.0600E+00	
0.8	9.2769E-01		1.0779E+00	
0.9	9.1075E-01		1.0980E+00	
1.0	8.9278E-01	0.00	1.1201E+00	0.00
1.1	8.7401E-01		1.1442E+00	
1.2	8.5464E-01		1.1701E+00	
1.3	8.3487E-01		1.1978E+00	
1.4	8.1489E-01		1.2272E+00	
1.5	7.9484E-01		1.2581E+00	
1.6	7.7487E-01		1.2905E+00	
1.7	7.5509E-01		1.3243E+00	
1.8	7.3560E-01		1.3594E+00	
1.9	7.1647E-01		1.3957E+00	
2.0	6.9777E-01	0.00	1.4331E+00	0.00
2.1	6.7955E-01		1.4716E+00	
2.2	6.6185E-01		1.5109E+00	
2.3	6.4467E-01		1.5512E+00	
2.4	6.2806E-01		1.5922E+00	
2.5	6.1200E-01		1.6340E+00	
2.6	5.9650E-01		1.6764E+00	
2.7	5.8156E-01		1.7195E+00	
2.8	5.6717E-01		1.7631E+00	
2.9	5.5332E-01		1.8073E+00	
3.0	5.3999E-01	0.00	1.8519E+00	0.00
3.1	5.2717E-01		1.8969E+00	
3.2	5.1484E-01		1.9423E+00	
3.3	5.0299E-01		1.9881E+00	
3.4	4.9159E-01		2.0342E+00	
3.5	4.8063E-01		2.0806E+00	
3.6	4.7009E-01		2.1273E+00	
3.7	4.5995E-01		2.1742E+00	
3.8	4.5019E-01		2.2213E+00	
3.9	4.4080E-01		2.2686E+00	
4.0	4.3176E-01	0.00	2.3161E+00	0.00
4.1	4.2305E-01		2.3638E+00	
4.2	4.1466E-01		2.4116E+00	
4.3	4.0658E-01		2.4596E+00	
4.4	3.9878E-01		2.5076E+00	
4.5	3.9126E-01		2.5559E+00	
4.6	3.8400E-01		2.6042E+00	
4.7	3.7699E-01		2.6526E+00	
4.8	3.7022E-01		2.7011E+00	
4.9	3.6368E-01		2.7497E+00	
5.0	3.5735E-01	0.00	2.7984E+00	0.00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	3.5735E-01	0.00	2.7984E+00	0.00
5.1	3.5124E-01		2.8471E+00	
5.2	3.4532E-01		2.8959E+00	
5.3	3.3959E-01		2.9448E+00	
5.4	3.3404E-01		2.9937E+00	
5.5	3.2866E-01		3.0426E+00	
5.6	3.2345E-01		3.0917E+00	
5.7	3.1840E-01		3.1407E+00	
5.8	3.1349E-01		3.1898E+00	
5.9	3.0874E-01		3.2390E+00	
6.0	3.0412E-01	0.00	3.2882E+00	0.00
6.1	2.9963E-01		3.3374E+00	
6.2	2.9528E-01		3.3866E+00	
6.3	2.9104E-01		3.4359E+00	
6.4	2.8692E-01		3.4852E+00	
6.5	2.8292E-01		3.5346E+00	
6.6	2.7902E-01		3.5839E+00	
6.7	2.7523E-01		3.6333E+00	
6.8	2.7154E-01		3.6827E+00	
6.9	2.6794E-01		3.7322E+00	
7.0	2.6444E-01	0.00	3.7816E+00	0.00
7.1	2.6102E-01		3.8311E+00	
7.2	2.5769E-01		3.8806E+00	
7.3	2.5445E-01		3.9301E+00	
7.4	2.5128E-01		3.9796E+00	
7.5	2.4819E-01		4.0291E+00	
7.6	2.4518E-01		4.0787E+00	
7.7	2.4223E-01		4.1282E+00	
7.8	2.3936E-01		4.1778E+00	
7.9	2.3655E-01		4.2274E+00	
8.0	2.3381E-01	0.00	4.2770E+00	0.00
8.1	2.3113E-01		4.3266E+00	
8.2	2.2851E-01		4.3762E+00	
8.3	2.2594E-01		4.4259E+00	
8.4	2.2344E-01		4.4755E+00	
8.5	2.2099E-01		4.5252E+00	
8.6	2.1859E-01		4.5748E+00	
8.7	2.1624E-01		4.6245E+00	
8.8	2.1394E-01		4.6742E+00	
8.9	2.1169E-01		4.7239E+00	
9.0	2.0949E-01	0.00	4.7736E+00	0.00
9.1	2.0733E-01		4.8233E+00	
9.2	2.0521E-01		4.8730E+00	
9.3	2.0314E-01		4.9227E+00	
9.4	2.0111E-01		4.9724E+00	
9.5	1.9912E-01		5.0222E+00	
9.6	1.9716E-01		5.0719E+00	
9.7	1.9525E-01		5.1217E+00	
9.8	1.9337E-01		5.1714E+00	
9.9	1.9153E-01		5.2212E+00	
10.0	1.8972E-01	0.00	5.2709E+00	0.00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.8972E-01	0.00	5.2709E+00	0.00
10.1	1.8795E-01		5.3207E+00	
10.2	1.8620E-01		5.3705E+00	
10.3	1.8449E-01		5.4202E+00	
10.4	1.8281E-01		5.4700E+00	
10.5	1.8117E-01		5.5198E+00	
10.6	1.7955E-01		5.5696E+00	
10.7	1.7795E-01		5.6194E+00	
10.8	1.7639E-01		5.6692E+00	
10.9	1.7486E-01		5.7190E+00	
11.0	1.7335E-01	0.00	5.7688E+00	0.00
11.1	1.7186E-01		5.8186E+00	
11.2	1.7040E-01		5.8684E+00	
11.3	1.6897E-01		5.9183E+00	
11.4	1.6756E-01		5.9681E+00	
11.5	1.6617E-01		6.0179E+00	
11.6	1.6481E-01		6.0677E+00	
11.7	1.6346E-01		6.1176E+00	
11.8	1.6214E-01		6.1674E+00	
11.9	1.6084E-01		6.2173E+00	
12.0	1.5956E-01	0.00	6.2671E+00	0.00
12.1	1.5830E-01		6.3169E+00	
12.2	1.5707E-01		6.3668E+00	
12.3	1.5584E-01		6.4166E+00	
12.4	1.5464E-01		6.4665E+00	
12.5	1.5346E-01		6.5163E+00	
12.6	1.5229E-01		6.5662E+00	
12.7	1.5115E-01		6.6161E+00	
12.8	1.5002E-01		6.6659E+00	
12.9	1.4890E-01		6.7158E+00	
13.0	1.4781E-01	0.00	6.7657E+00	0.00
13.1	1.4672E-01		6.8155E+00	
13.2	1.4566E-01		6.8654E+00	
13.3	1.4461E-01		6.9153E+00	
13.4	1.4357E-01		6.9652E+00	
13.5	1.4255E-01		7.0150E+00	
13.6	1.4154E-01		7.0649E+00	
13.7	1.4055E-01		7.1148E+00	
13.8	1.3957E-01		7.1647E+00	
13.9	1.3861E-01		7.2146E+00	
14.0	1.3766E-01	0.00	7.2645E+00	0.00
14.1	1.3672E-01		7.3143E+00	
14.2	1.3579E-01		7.3642E+00	
14.3	1.3488E-01		7.4141E+00	
14.4	1.3398E-01		7.4640E+00	
14.5	1.3309E-01		7.5139E+00	
14.6	1.3221E-01		7.5638E+00	
14.7	1.3134E-01		7.6137E+00	
14.8	1.3049E-01		7.6636E+00	
14.9	1.2964E-01		7.7135E+00	
15.0	1.2881E-01	0.00	7.7634E+00	0.00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	1.2881E-01	0.00	7.7634E+00	0.00
15.1	1.2799E-01		7.8133E+00	
15.2	1.2717E-01		7.8632E+00	
15.3	1.2637E-01		7.9131E+00	
15.4	1.2558E-01		7.9630E+00	
15.5	1.2480E-01		8.0130E+00	
15.6	1.2403E-01		8.0629E+00	
15.7	1.2326E-01		8.1128E+00	
15.8	1.2251E-01		8.1627E+00	
15.9	1.2176E-01		8.2126E+00	
16.0	1.2103E-01	0.00	8.2625E+00	0.00
16.1	1.2030E-01		8.3124E+00	
16.2	1.1958E-01		8.3624E+00	
16.3	1.1887E-01		8.4123E+00	
16.4	1.1817E-01		8.4622E+00	
16.5	1.1748E-01		8.5121E+00	
16.6	1.1679E-01		8.5620E+00	
16.7	1.1612E-01		8.6120E+00	
16.8	1.1545E-01		8.6619E+00	
16.9	1.1479E-01		8.7118E+00	
17.0	1.1413E-01	0.00	8.7617E+00	0.00
17.1	1.1349E-01		8.8117E+00	
17.2	1.1285E-01		8.8616E+00	
17.3	1.1221E-01		8.9115E+00	
17.4	1.1159E-01		8.9614E+00	
17.5	1.1097E-01		9.0114E+00	
17.6	1.1036E-01		9.0613E+00	
17.7	1.0975E-01		9.1112E+00	
17.8	1.0916E-01		9.1612E+00	
17.9	1.0856E-01		9.2111E+00	
18.0	1.0798E-01	0.00	9.2610E+00	0.00
18.1	1.0740E-01		9.3110E+00	
18.2	1.0683E-01		9.3609E+00	
18.3	1.0626E-01		9.4108E+00	
18.4	1.0570E-01		9.4608E+00	
18.5	1.0514E-01		9.5107E+00	
18.6	1.0460E-01		9.5607E+00	
18.7	1.0405E-01		9.6106E+00	
18.8	1.0351E-01		9.6605E+00	
18.9	1.0298E-01		9.7105E+00	
	1.0245E-01	0.00	9.7604E+00	0.00
	1.0193E-01		9.8104E+00	
	1.0142E-01		9.8603E+00	
	1.0091E-01		9.9103E+00	
	1.0040E-01		9.9602E+00	
	1.0000E-02		1.0010E+01	
	1.0000E-02		1.0060E+01	
	1.0000E-02		1.0110E+01	
	1.0000E-02		1.0160E+01	
	1.0000E-02		1.0210E+01	
		0.00	1.0260E+01	0.00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	9.9877E-01	-2.1635E-04	1.0012E+00	2.1688E-04
0.2	9.9511E-01	-8.5695E-04	1.0049E+00	8.6540E-04
0.3	9.8908E-01	-1.8971E-03	1.0110E+00	1.9392E-03
0.4	9.8079E-01	-3.2976E-03	1.0196E+00	3.4280E-03
0.5	9.7040E-01	-5.0077E-03	1.0305E+00	5.3177E-03
0.6	9.5808E-01	-6.9680E-03	1.0437E+00	7.5907E-03
0.7	9.4404E-01	-9.1150E-03	1.0592E+00	1.0227E-02
0.8	9.2849E-01	-1.1384E-02	1.0769E+00	1.3203E-02
0.9	9.1167E-01	-1.3712E-02	1.0966E+00	1.6494E-02
1.0	8.9379E-01	-1.6042E-02	1.1185E+00	2.0075E-02
1.1	8.7508E-01	-1.8323E-02	1.1423E+00	2.3917E-02
1.2	8.5575E-01	-2.0513E-02	1.1679E+00	2.7995E-02
1.3	8.3600E-01	-2.2578E-02	1.1953E+00	3.2281E-02
1.4	8.1601E-01	-2.4492E-02	1.2244E+00	3.6748E-02
1.5	7.9593E-01	-2.6238E-02	1.2550E+00	4.1372E-02
1.6	7.7590E-01	-2.7806E-02	1.2872E+00	4.6128E-02
1.7	7.5605E-01	-2.9192E-02	1.3207E+00	5.0993E-02
1.8	7.3647E-01	-3.0397E-02	1.3555E+00	5.5947E-02
1.9	7.1725E-01	-3.1427E-02	1.3915E+00	6.0971E-02
2.0	6.9845E-01	-3.2289E-02	1.4287E+00	6.6048E-02
2.1	6.8013E-01	-3.2995E-02	1.4669E+00	7.1161E-02
2.2	6.6232E-01	-3.3555E-02	1.5060E+00	7.6299E-02
2.3	6.4504E-01	-3.3983E-02	1.5460E+00	8.1449E-02
2.4	6.2832E-01	-3.4291E-02	1.5868E+00	8.6602E-02
2.5	6.1216E-01	-3.4491E-02	1.6284E+00	9.1749E-02
2.6	5.9657E-01	-3.4596E-02	1.6706E+00	9.6883E-02
2.7	5.8154E-01	-3.4617E-02	1.7135E+00	1.0200E-01
2.8	5.6707E-01	-3.4565E-02	1.7569E+00	1.0709E-01
2.9	5.5314E-01	-3.4450E-02	1.8009E+00	1.1216E-01
3.0	5.3974E-01	-3.4280E-02	1.8453E+00	1.1720E-01
3.1	5.2685E-01	-3.4064E-02	1.8902E+00	1.2221E-01
3.2	5.1446E-01	-3.3809E-02	1.9354E+00	1.2719E-01
3.3	5.0256E-01	-3.3521E-02	1.9810E+00	1.3213E-01
3.4	4.9111E-01	-3.3206E-02	2.0269E+00	1.3705E-01
3.5	4.8011E-01	-3.2870E-02	2.0732E+00	1.4194E-01
3.6	4.6952E-01	-3.2516E-02	2.1196E+00	1.4679E-01
3.7	4.5935E-01	-3.2148E-02	2.1664E+00	1.5162E-01
3.8	4.4956E-01	-3.1770E-02	2.2133E+00	1.5641E-01
3.9	4.4014E-01	-3.1384E-02	2.2605E+00	1.6118E-01
4.0	4.3108E-01	-3.0994E-02	2.3078E+00	1.6593E-01
4.1	4.2235E-01	-3.0600E-02	2.3553E+00	1.7065E-01
4.2	4.1394E-01	-3.0206E-02	2.4030E+00	1.7535E-01
4.3	4.0584E-01	-2.9811E-02	2.4508E+00	1.8002E-01
4.4	3.9803E-01	-2.9418E-02	2.4987E+00	1.8468E-01
4.5	3.9050E-01	-2.9028E-02	2.5468E+00	1.8932E-01
4.6	3.8323E-01	-2.8641E-02	2.5949E+00	1.9393E-01
4.7	3.7621E-01	-2.8259E-02	2.6432E+00	1.9854E-01
4.8	3.6944E-01	-2.7881E-02	2.6915E+00	2.0312E-01
4.9	3.6289E-01	-2.7509E-02	2.7399E+00	2.0770E-01
5.0	3.5656E-01	-2.7142E-02	2.7884E+00	2.1226E-01

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	3.5656E-01	-2.7142E-02	2.7884E+00	2.1226E-01
5.1	3.5044E-01	-2.6781E-02	2.8370E+00	2.1681E-01
5.2	3.4452E-01	-2.6427E-02	2.8856E+00	2.2134E-01
5.3	3.3879E-01	-2.6078E-02	2.9343E+00	2.2587E-01
5.4	3.3324E-01	-2.5736E-02	2.9830E+00	2.3038E-01
5.5	3.2787E-01	-2.5401E-02	3.0318E+00	2.3489E-01
5.6	3.2266E-01	-2.5072E-02	3.0807E+00	2.3939E-01
5.7	3.1760E-01	-2.4750E-02	3.1296E+00	2.4388E-01
5.8	3.1270E-01	-2.4434E-02	3.1785E+00	2.4836E-01
5.9	3.0795E-01	-2.4125E-02	3.2275E+00	2.5284E-01
6.0	3.0334E-01	-2.3821E-02	3.2765E+00	2.5731E-01
6.1	2.9885E-01	-2.3525E-02	3.3255E+00	2.6177E-01
6.2	2.9450E-01	-2.3234E-02	3.3746E+00	2.6623E-01
6.3	2.9027E-01	-2.2949E-02	3.4237E+00	2.7069E-01
6.4	2.8616E-01	-2.2671E-02	3.4728E+00	2.7513E-01
6.5	2.8215E-01	-2.2398E-02	3.5220E+00	2.7958E-01
6.6	2.7826E-01	-2.2131E-02	3.5711E+00	2.8402E-01
6.7	2.7447E-01	-2.1869E-02	3.6203E+00	2.8846E-01
6.8	2.7079E-01	-2.1613E-02	3.6696E+00	2.9289E-01
6.9	2.6719E-01	-2.1362E-02	3.7188E+00	2.9732E-01
7.0	2.6370E-01	-2.1117E-02	3.7681E+00	3.0175E-01
7.1	2.6029E-01	-2.0876E-02	3.8174E+00	3.0617E-01
7.2	2.5696E-01	-2.0641E-02	3.8667E+00	3.1060E-01
7.3	2.5372E-01	-2.0410E-02	3.9160E+00	3.1502E-01
7.4	2.5056E-01	-2.0184E-02	3.9653E+00	3.1943E-01
7.5	2.4748E-01	-1.9963E-02	4.0147E+00	3.2385E-01
7.6	2.4447E-01	-1.9746E-02	4.0640E+00	3.2826E-01
7.7	2.4153E-01	-1.9533E-02	4.1134E+00	3.3267E-01
7.8	2.3866E-01	-1.9325E-02	4.1628E+00	3.3708E-01
7.9	2.3586E-01	-1.9121E-02	4.2122E+00	3.4148E-01
8.0	2.3312E-01	-1.8921E-02	4.2616E+00	3.4589E-01
8.1	2.3044E-01	-1.8724E-02	4.3110E+00	3.5029E-01
8.2	2.2783E-01	-1.8532E-02	4.3605E+00	3.5469E-01
8.3	2.2527E-01	-1.8343E-02	4.4099E+00	3.5909E-01
8.4	2.2277E-01	-1.8158E-02	4.4594E+00	3.6349E-01
8.5	2.2032E-01	-1.7977E-02	4.5088E+00	3.6789E-01
8.6	2.1793E-01	-1.7798E-02	4.5583E+00	3.7229E-01
8.7	2.1558E-01	-1.7624E-02	4.6078E+00	3.7668E-01
8.8	2.1329E-01	-1.7452E-02	4.6573E+00	3.8108E-01
8.9	2.1104E-01	-1.7284E-02	4.7068E+00	3.8547E-01
9.0	2.0884E-01	-1.7118E-02	4.7563E+00	3.8986E-01
9.1	2.0669E-01	-1.6956E-02	4.8058E+00	3.9425E-01
9.2	2.0458E-01	-1.6797E-02	4.8554E+00	3.9864E-01
9.3	2.0251E-01	-1.6640E-02	4.9049E+00	4.0303E-01
9.4	2.0048E-01	-1.6487E-02	4.9544E+00	4.0742E-01
9.5	1.9850E-01	-1.6336E-02	5.0040E+00	4.1181E-01
9.6	1.9655E-01	-1.6187E-02	5.0535E+00	4.1620E-01
9.7	1.9464E-01	-1.6041E-02	5.1031E+00	4.2058E-01
9.8	1.9276E-01	-1.5898E-02	5.1526E+00	4.2497E-01
9.9	1.9093E-01	-1.5758E-02	5.2022E+00	4.2935E-01
10.0	1.8912E-01	-1.5619E-02	5.2518E+00	4.3373E-01

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.8912E-01	-1.5619E-02	5.2518E+00	4.3373E-01
10.1	1.8735E-01	-1.5483E-02	5.3014E+00	4.3812E-01
10.2	1.8561E-01	-1.5349E-02	5.3510E+00	4.4250E-01
10.3	1.8391E-01	-1.5218E-02	5.4005E+00	4.4688E-01
10.4	1.8223E-01	-1.5089E-02	5.4501E+00	4.5126E-01
10.5	1.8059E-01	-1.4961E-02	5.4997E+00	4.5564E-01
10.6	1.7897E-01	-1.4836E-02	5.5493E+00	4.6002E-01
10.7	1.7738E-01	-1.4713E-02	5.5989E+00	4.6440E-01
10.8	1.7583E-01	-1.4592E-02	5.6486E+00	4.6878E-01
10.9	1.7429E-01	-1.4473E-02	5.6982E+00	4.7316E-01
11.0	1.7279E-01	-1.4356E-02	5.7478E+00	4.7754E-01
11.1	1.7131E-01	-1.4240E-02	5.7974E+00	4.8192E-01
11.2	1.6985E-01	-1.4126E-02	5.8470E+00	4.8630E-01
11.3	1.6842E-01	-1.4015E-02	5.8967E+00	4.9067E-01
11.4	1.6701E-01	-1.3904E-02	5.9463E+00	4.9505E-01
11.5	1.6563E-01	-1.3796E-02	5.9959E+00	4.9943E-01
11.6	1.6427E-01	-1.3689E-02	6.0456E+00	5.0380E-01
11.7	1.6293E-01	-1.3584E-02	6.0952E+00	5.0818E-01
11.8	1.6161E-01	-1.3480E-02	6.1449E+00	5.1255E-01
11.9	1.6032E-01	-1.3378E-02	6.1945E+00	5.1693E-01
12.0	1.5904E-01	-1.3278E-02	6.2442E+00	5.2130E-01
12.1	1.5778E-01	-1.3179E-02	6.2938E+00	5.2567E-01
12.2	1.5655E-01	-1.3081E-02	6.3435E+00	5.3005E-01
12.3	1.5533E-01	-1.2985E-02	6.3932E+00	5.3442E-01
12.4	1.5413E-01	-1.2890E-02	6.4428E+00	5.3879E-01
12.5	1.5295E-01	-1.2796E-02	6.4925E+00	5.4317E-01
12.6	1.5179E-01	-1.2704E-02	6.5422E+00	5.4754E-01
12.7	1.5065E-01	-1.2613E-02	6.5918E+00	5.5191E-01
12.8	1.4952E-01	-1.2524E-02	6.6415E+00	5.5628E-01
12.9	1.4841E-01	-1.2435E-02	6.6912E+00	5.6066E-01
13.0	1.4731E-01	-1.2348E-02	6.7409E+00	5.6503E-01
13.1	1.4624E-01	-1.2262E-02	6.7905E+00	5.6940E-01
13.2	1.4517E-01	-1.2177E-02	6.8402E+00	5.7377E-01
13.3	1.4413E-01	-1.2094E-02	6.8899E+00	5.7814E-01
13.4	1.4309E-01	-1.2011E-02	6.9396E+00	5.8251E-01
13.5	1.4207E-01	-1.1930E-02	6.9893E+00	5.8688E-01
13.6	1.4107E-01	-1.1850E-02	7.0390E+00	5.9125E-01
13.7	1.4008E-01	-1.1770E-02	7.0887E+00	5.9562E-01
13.8	1.3911E-01	-1.1692E-02	7.1384E+00	5.9999E-01
13.9	1.3814E-01	-1.1615E-02	7.1880E+00	6.0436E-01
14.0	1.3719E-01	-1.1539E-02	7.2377E+00	6.0873E-01
14.1	1.3626E-01	-1.1463E-02	7.2874E+00	6.1310E-01
14.2	1.3533E-01	-1.1389E-02	7.3371E+00	6.1747E-01
14.3	1.3442E-01	-1.1316E-02	7.3868E+00	6.2184E-01
14.4	1.3352E-01	-1.1244E-02	7.4366E+00	6.2620E-01
14.5	1.3264E-01	-1.1172E-02	7.4863E+00	6.3057E-01
14.6	1.3176E-01	-1.1102E-02	7.5360E+00	6.3494E-01
14.7	1.3090E-01	-1.1032E-02	7.5857E+00	6.3931E-01
14.8	1.3004E-01	-1.0963E-02	7.6354E+00	6.4368E-01
14.9	1.2920E-01	-1.0895E-02	7.6851E+00	6.4804E-01
15.0	1.2837E-01	-1.0828E-02	7.7348E+00	6.5241E-01

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	1.2837E-01	-1.0828E-02	7.7348E+00	6.5241E-01
15.1	1.2755E-01	-1.0762E-02	7.7845E+00	6.5678E-01
15.2	1.2674E-01	-1.0696E-02	7.8342E+00	6.6115E-01
15.3	1.2594E-01	-1.0631E-02	7.8840E+00	6.6551E-01
15.4	1.2515E-01	-1.0567E-02	7.9337E+00	6.6988E-01
15.5	1.2437E-01	-1.0504E-02	7.9834E+00	6.7425E-01
15.6	1.2360E-01	-1.0442E-02	8.0331E+00	6.7861E-01
15.7	1.2284E-01	-1.0380E-02	8.0828E+00	6.8298E-01
15.8	1.2209E-01	-1.0319E-02	8.1326E+00	6.8735E-01
15.9	1.2135E-01	-1.0258E-02	8.1823E+00	6.9171E-01
16.0	1.2061E-01	-1.0199E-02	8.2320E+00	6.9608E-01
16.1	1.1989E-01	-1.0140E-02	8.2817E+00	7.0045E-01
16.2	1.1917E-01	-1.0082E-02	8.3315E+00	7.0481E-01
16.3	1.1847E-01	-1.0024E-02	8.3812E+00	7.0918E-01
16.4	1.1777E-01	-9.9671E-03	8.4309E+00	7.1354E-01
16.5	1.1708E-01	-9.9108E-03	8.4807E+00	7.1791E-01
16.6	1.1639E-01	-9.8551E-03	8.5304E+00	7.2227E-01
16.7	1.1572E-01	-9.8000E-03	8.5801E+00	7.2664E-01
16.8	1.1505E-01	-9.7456E-03	8.6299E+00	7.3100E-01
16.9	1.1439E-01	-9.6917E-03	8.6796E+00	7.3537E-01
17.0	1.1374E-01	-9.6384E-03	8.7293E+00	7.3973E-01
17.1	1.1309E-01	-9.5857E-03	8.7791E+00	7.4410E-01
17.2	1.1246E-01	-9.5336E-03	8.8288E+00	7.4846E-01
17.3	1.1183E-01	-9.4820E-03	8.8785E+00	7.5283E-01
17.4	1.1120E-01	-9.4310E-03	8.9283E+00	7.5719E-01
17.5	1.1059E-01	-9.3805E-03	8.9780E+00	7.6156E-01
17.6	1.0998E-01	-9.3306E-03	9.0278E+00	7.6592E-01
17.7	1.0937E-01	-9.2812E-03	9.0775E+00	7.7029E-01
17.8	1.0878E-01	-9.2323E-03	9.1273E+00	7.7465E-01
17.9	1.0819E-01	-9.1839E-03	9.1770E+00	7.7902E-01
18.0	1.0760E-01	-9.1360E-03	9.2267E+00	7.8338E-01
18.1	1.0703E-01	-9.0886E-03	9.2765E+00	7.8774E-01
18.2	1.0646E-01	-9.0417E-03	9.3262E+00	7.9211E-01
18.3	1.0589E-01	-8.9953E-03	9.3760E+00	7.9647E-01
18.4	1.0533E-01	-8.9493E-03	9.4257E+00	8.0084E-01
18.5	1.0478E-01	-8.9038E-03	9.4755E+00	8.0520E-01
18.6	1.0423E-01	-8.8588E-03	9.5252E+00	8.0956E-01
18.7	1.0369E-01	-8.8142E-03	9.5750E+00	8.1393E-01
18.8	1.0315E-01	-8.7701E-03	9.6247E+00	8.1829E-01
18.9	1.0262E-01	-8.7264E-03	9.6745E+00	8.2266E-01
19.0	1.0210E-01	-8.6831E-03	9.7242E+00	8.2702E-01
19.1	1.0158E-01	-8.6403E-03	9.7740E+00	8.3138E-01
19.2	1.0106E-01	-8.5978E-03	9.8237E+00	8.3575E-01
19.3	1.0055E-01	-8.5558E-03	9.8735E+00	8.4011E-01
19.4	1.0005E-01	-8.5142E-03	9.9232E+00	8.4447E-01
19.5	9.9550E-02	-8.4730E-03	9.9730E+00	8.4884E-01
19.6	9.9055E-02	-8.4322E-03	1.0023E+01	8.5320E-01
19.7	9.8566E-02	-8.3918E-03	1.0073E+01	8.5756E-01
19.8	9.8081E-02	-8.3517E-03	1.0122E+01	8.6192E-01
19.9	9.7601E-02	-8.3121E-03	1.0172E+01	8.6629E-01
20.0	9.7126E-02	-8.2728E-03	1.0222E+01	8.7065E-01

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	9.9883E-01	-4.2619E-04	1.0012E+00	4.2719E-04
0.2	9.9533E-01	-1.6889E-03	1.0047E+00	1.7048E-03
0.3	9.8956E-01	-3.7415E-03	1.0105E+00	3.8208E-03
0.4	9.8161E-01	-6.5099E-03	1.0187E+00	6.7558E-03
0.5	9.7160E-01	-9.8973E-03	1.0291E+00	1.0483E-02
0.6	9.5970E-01	-1.3790E-02	1.0418E+00	1.4970E-02
0.7	9.4607E-01	-1.8066E-02	1.0566E+00	2.0177E-02
0.8	9.3091E-01	-2.2598E-02	1.0736E+00	2.6061E-02
0.9	9.1443E-01	-2.7262E-02	1.0926E+00	3.2574E-02
1.0	8.9683E-01	-3.1944E-02	1.1136E+00	3.9667E-02
1.1	8.7832E-01	-3.6542E-02	1.1366E+00	4.7286E-02
1.2	8.5912E-01	-4.0968E-02	1.1613E+00	5.5380E-02
1.3	8.3942E-01	-4.5152E-02	1.1879E+00	6.3894E-02
1.4	8.1939E-01	-4.9039E-02	1.2161E+00	7.2778E-02
1.5	7.9921E-01	-5.2592E-02	1.2458E+00	8.1981E-02
1.6	7.7903E-01	-5.5787E-02	1.2771E+00	9.1455E-02
1.7	7.5896E-01	-5.8615E-02	1.3098E+00	1.0115E-01
1.8	7.3913E-01	-6.1076E-02	1.3438E+00	1.1104E-01
1.9	7.1963E-01	-6.3179E-02	1.3790E+00	1.2107E-01
2.0	7.0052E-01	-6.4940E-02	1.4153E+00	1.3120E-01
2.1	6.8188E-01	-6.6379E-02	1.4528E+00	1.4142E-01
2.2	6.6374E-01	-6.7520E-02	1.4912E+00	1.5169E-01
2.3	6.4615E-01	-6.8388E-02	1.5305E+00	1.6199E-01
2.4	6.2911E-01	-6.9009E-02	1.5706E+00	1.7229E-01
2.5	6.1265E-01	-6.9409E-02	1.6116E+00	1.8258E-01
2.6	5.9677E-01	-6.9614E-02	1.6532E+00	1.9285E-01
2.7	5.8147E-01	-6.9646E-02	1.6955E+00	2.0307E-01
2.8	5.6674E-01	-6.9528E-02	1.7383E+00	2.1326E-01
2.9	5.5257E-01	-6.9281E-02	1.7817E+00	2.2339E-01
3.0	5.3896E-01	-6.8922E-02	1.8256E+00	2.3346E-01
3.1	5.2587E-01	-6.8470E-02	1.8699E+00	2.4347E-01
3.2	5.1330E-01	-6.7938E-02	1.9146E+00	2.5341E-01
3.3	5.0123E-01	-6.7341E-02	1.9597E+00	2.6329E-01
3.4	4.8963E-01	-6.6689E-02	2.0051E+00	2.7311E-01
3.5	4.7850E-01	-6.5994E-02	2.0509E+00	2.8286E-01
3.6	4.6780E-01	-6.5265E-02	2.0969E+00	2.9255E-01
3.7	4.5752E-01	-6.4509E-02	2.1431E+00	3.0217E-01
3.8	4.4764E-01	-6.3732E-02	2.1896E+00	3.1174E-01
3.9	4.3814E-01	-6.2942E-02	2.2362E+00	3.2126E-01
4.0	4.2900E-01	-6.2143E-02	2.2831E+00	3.3072E-01
4.1	4.2021E-01	-6.1338E-02	2.3301E+00	3.4013E-01
4.2	4.1175E-01	-6.0532E-02	2.3773E+00	3.4949E-01
4.3	4.0360E-01	-5.9728E-02	2.4246E+00	3.5881E-01
4.4	3.9575E-01	-5.8928E-02	2.4720E+00	3.6808E-01
4.5	3.8819E-01	-5.8134E-02	2.5196E+00	3.7732E-01
4.6	3.8089E-01	-5.7348E-02	2.5672E+00	3.8652E-01
4.7	3.7386E-01	-5.6571E-02	2.6149E+00	3.9569E-01
4.8	3.6706E-01	-5.5805E-02	2.6628E+00	4.0483E-01
4.9	3.6050E-01	-5.5051E-02	2.7107E+00	4.1394E-01
5.0	3.5417E-01	-5.4308E-02	2.7587E+00	4.2302E-01

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	3.5417E-01	-5.4308E-02	2.7587E+00	4.2302E-01
5.1	3.4804E-01	-5.3578E-02	2.8067E+00	4.3207E-01
5.2	3.4212E-01	-5.2861E-02	2.8548E+00	4.4111E-01
5.3	3.3638E-01	-5.2157E-02	2.9030E+00	4.5012E-01
5.4	3.3084E-01	-5.1467E-02	2.9512E+00	4.5911E-01
5.5	3.2546E-01	-5.0790E-02	2.9995E+00	4.6809E-01
5.6	3.2026E-01	-5.0127E-02	3.0478E+00	4.7704E-01
5.7	3.1521E-01	-4.9477E-02	3.0962E+00	4.8599E-01
5.8	3.1032E-01	-4.8841E-02	3.1446E+00	4.9492E-01
5.9	3.0558E-01	-4.8218E-02	3.1930E+00	5.0383E-01
6.0	3.0097E-01	-4.7608E-02	3.2415E+00	5.1273E-01
6.1	2.9650E-01	-4.7010E-02	3.2900E+00	5.2162E-01
6.2	2.9216E-01	-4.6426E-02	3.3385E+00	5.3051E-01
6.3	2.8794E-01	-4.5854E-02	3.3870E+00	5.3938E-01
6.4	2.8384E-01	-4.5293E-02	3.4356E+00	5.4824E-01
6.5	2.7985E-01	-4.4745E-02	3.4842E+00	5.5709E-01
6.6	2.7597E-01	-4.4209E-02	3.5329E+00	5.6594E-01
6.7	2.7220E-01	-4.3684E-02	3.5815E+00	5.7477E-01
6.8	2.6853E-01	-4.3169E-02	3.6302E+00	5.8361E-01
6.9	2.6495E-01	-4.2666E-02	3.6789E+00	5.9243E-01
7.0	2.6147E-01	-4.2173E-02	3.7276E+00	6.0125E-01
7.1	2.5807E-01	-4.1691E-02	3.7763E+00	6.1006E-01
7.2	2.5476E-01	-4.1219E-02	3.8251E+00	6.1887E-01
7.3	2.5154E-01	-4.0756E-02	3.8739E+00	6.2767E-01
7.4	2.4839E-01	-4.0303E-02	3.9226E+00	6.3647E-01
7.5	2.4532E-01	-3.9859E-02	3.9714E+00	6.4526E-01
7.6	2.4233E-01	-3.9425E-02	4.0202E+00	6.5405E-01
7.7	2.3940E-01	-3.8999E-02	4.0691E+00	6.6284E-01
7.8	2.3655E-01	-3.8581E-02	4.1179E+00	6.7162E-01
7.9	2.3376E-01	-3.8172E-02	4.1667E+00	6.8040E-01
8.0	2.3104E-01	-3.7771E-02	4.2156E+00	6.8918E-01
8.1	2.2838E-01	-3.7378E-02	4.2645E+00	6.9795E-01
8.2	2.2578E-01	-3.6993E-02	4.3133E+00	7.0672E-01
8.3	2.2324E-01	-3.6615E-02	4.3622E+00	7.1548E-01
8.4	2.2075E-01	-3.6244E-02	4.4111E+00	7.2425E-01
8.5	2.1832E-01	-3.5881E-02	4.4600E+00	7.3301E-01
8.6	2.1594E-01	-3.5524E-02	4.5089E+00	7.4177E-01
8.7	2.1361E-01	-3.5174E-02	4.5579E+00	7.5052E-01
8.8	2.1133E-01	-3.4831E-02	4.6068E+00	7.5928E-01
8.9	2.0910E-01	-3.4494E-02	4.6557E+00	7.6803E-01
9.0	2.0691E-01	-3.4163E-02	4.7047E+00	7.7678E-01
9.1	2.0477E-01	-3.3838E-02	4.7536E+00	7.8553E-01
9.2	2.0268E-01	-3.3519E-02	4.8026E+00	7.9427E-01
9.3	2.0062E-01	-3.3206E-02	4.8516E+00	8.0302E-01
9.4	1.9861E-01	-3.2899E-02	4.9005E+00	8.1176E-01
9.5	1.9664E-01	-3.2597E-02	4.9495E+00	8.2050E-01
9.6	1.9470E-01	-3.2300E-02	4.9985E+00	8.2924E-01
9.7	1.9280E-01	-3.2009E-02	5.0475E+00	8.3798E-01
9.8	1.9094E-01	-3.1722E-02	5.0965E+00	8.4671E-01
9.9	1.8912E-01	-3.1441E-02	5.1455E+00	8.5545E-01
10.0	1.8733E-01	-3.1164E-02	5.1945E+00	8.6418E-01

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.8733E-01	-3.1164E-02	5.1945E+00	8.6418E-01
10.1	1.8557E-01	-3.0892E-02	5.2435E+00	8.7292E-01
10.2	1.8384E-01	-3.0625E-02	5.2926E+00	8.8165E-01
10.3	1.8215E-01	-3.0362E-02	5.3416E+00	8.9038E-01
10.4	1.8049E-01	-3.0104E-02	5.3906E+00	8.9911E-01
10.5	1.7885E-01	-2.9849E-02	5.4396E+00	9.0783E-01
10.6	1.7725E-01	-2.9599E-02	5.4887E+00	9.1656E-01
10.7	1.7568E-01	-2.9353E-02	5.5377E+00	9.2529E-01
10.8	1.7413E-01	-2.9111E-02	5.5868E+00	9.3401E-01
10.9	1.7261E-01	-2.8873E-02	5.6358E+00	9.4273E-01
11.0	1.7111E-01	-2.8638E-02	5.6849E+00	9.5146E-01
11.1	1.6964E-01	-2.8408E-02	5.7339E+00	9.6018E-01
11.2	1.6820E-01	-2.8181E-02	5.7830E+00	9.6890E-01
11.3	1.6678E-01	-2.7957E-02	5.8321E+00	9.7762E-01
11.4	1.6538E-01	-2.7737E-02	5.8811E+00	9.8634E-01
11.5	1.6401E-01	-2.7520E-02	5.9302E+00	9.9506E-01
11.6	1.6266E-01	-2.7307E-02	5.9793E+00	1.0038E+00
11.7	1.6133E-01	-2.7097E-02	6.0283E+00	1.0125E+00
11.8	1.6002E-01	-2.6890E-02	6.0774E+00	1.0212E+00
11.9	1.5874E-01	-2.6686E-02	6.1265E+00	1.0299E+00
12.0	1.5747E-01	-2.6485E-02	6.1756E+00	1.0386E+00
12.1	1.5623E-01	-2.6287E-02	6.2247E+00	1.0474E+00
12.2	1.5500E-01	-2.6092E-02	6.2738E+00	1.0561E+00
12.3	1.5379E-01	-2.5899E-02	6.3229E+00	1.0648E+00
12.4	1.5261E-01	-2.5710E-02	6.3720E+00	1.0735E+00
12.5	1.5144E-01	-2.5523E-02	6.4211E+00	1.0822E+00
12.6	1.5028E-01	-2.5339E-02	6.4702E+00	1.0909E+00
12.7	1.4915E-01	-2.5157E-02	6.5193E+00	1.0996E+00
12.8	1.4803E-01	-2.4978E-02	6.5684E+00	1.1083E+00
12.9	1.4693E-01	-2.4802E-02	6.6175E+00	1.1171E+00
13.0	1.4584E-01	-2.4628E-02	6.6666E+00	1.1258E+00
13.1	1.4477E-01	-2.4456E-02	6.7157E+00	1.1345E+00
13.2	1.4372E-01	-2.4287E-02	6.7648E+00	1.1432E+00
13.3	1.4268E-01	-2.4120E-02	6.8140E+00	1.1519E+00
13.4	1.4166E-01	-2.3955E-02	6.8631E+00	1.1606E+00
13.5	1.4065E-01	-2.3793E-02	6.9122E+00	1.1693E+00
13.6	1.3965E-01	-2.3632E-02	6.9613E+00	1.1780E+00
13.7	1.3867E-01	-2.3474E-02	7.0104E+00	1.1867E+00
13.8	1.3770E-01	-2.3318E-02	7.0596E+00	1.1954E+00
13.9	1.3675E-01	-2.3164E-02	7.1087E+00	1.2041E+00
14.0	1.3581E-01	-2.3011E-02	7.1578E+00	1.2128E+00
14.1	1.3488E-01	-2.2861E-02	7.2070E+00	1.2215E+00
14.2	1.3396E-01	-2.2713E-02	7.2561E+00	1.2302E+00
14.3	1.3306E-01	-2.2567E-02	7.3052E+00	1.2389E+00
14.4	1.3217E-01	-2.2422E-02	7.3544E+00	1.2476E+00
14.5	1.3129E-01	-2.2280E-02	7.4035E+00	1.2564E+00
14.6	1.3042E-01	-2.2139E-02	7.4526E+00	1.2651E+00
14.7	1.2957E-01	-2.2000E-02	7.5018E+00	1.2738E+00
14.8	1.2872E-01	-2.1862E-02	7.5509E+00	1.2825E+00
14.9	1.2789E-01	-2.1726E-02	7.6001E+00	1.2912E+00
15.0	1.2706E-01	-2.1592E-02	7.6492E+00	1.2999E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	1.2706E-01	-2.1592E-02	7.6492E+00	1.2999E+00
15.1	1.2625E-01	-2.1460E-02	7.6984E+00	1.3086E+00
15.2	1.2545E-01	-2.1329E-02	7.7475E+00	1.3173E+00
15.3	1.2465E-01	-2.1200E-02	7.7967E+00	1.3260E+00
15.4	1.2387E-01	-2.1072E-02	7.8458E+00	1.3347E+00
15.5	1.2310E-01	-2.0946E-02	7.8950E+00	1.3434E+00
15.6	1.2234E-01	-2.0821E-02	7.9441E+00	1.3521E+00
15.7	1.2158E-01	-2.0698E-02	7.9933E+00	1.3608E+00
15.8	1.2084E-01	-2.0576E-02	8.0424E+00	1.3695E+00
15.9	1.2010E-01	-2.0456E-02	8.0916E+00	1.3782E+00
16.0	1.1937E-01	-2.0337E-02	8.1407E+00	1.3869E+00
16.1	1.1866E-01	-2.0219E-02	8.1899E+00	1.3956E+00
16.2	1.1795E-01	-2.0103E-02	8.2391E+00	1.4043E+00
16.3	1.1725E-01	-1.9988E-02	8.2882E+00	1.4130E+00
16.4	1.1655E-01	-1.9874E-02	8.3374E+00	1.4217E+00
16.5	1.1587E-01	-1.9762E-02	8.3866E+00	1.4304E+00
16.6	1.1519E-01	-1.9651E-02	8.4357E+00	1.4391E+00
16.7	1.1452E-01	-1.9541E-02	8.4849E+00	1.4478E+00
16.8	1.1386E-01	-1.9432E-02	8.5340E+00	1.4564E+00
16.9	1.1321E-01	-1.9324E-02	8.5832E+00	1.4651E+00
17.0	1.1256E-01	-1.9218E-02	8.6324E+00	1.4738E+00
17.1	1.1192E-01	-1.9113E-02	8.6816E+00	1.4825E+00
17.2	1.1129E-01	-1.9009E-02	8.7307E+00	1.4912E+00
17.3	1.1067E-01	-1.8906E-02	8.7799E+00	1.4999E+00
17.4	1.1005E-01	-1.8804E-02	8.8291E+00	1.5086E+00
17.5	1.0944E-01	-1.8703E-02	8.8782E+00	1.5173E+00
17.6	1.0883E-01	-1.8604E-02	8.9274E+00	1.5260E+00
17.7	1.0824E-01	-1.8505E-02	8.9766E+00	1.5347E+00
17.8	1.0765E-01	-1.8408E-02	9.0258E+00	1.5434E+00
17.9	1.0706E-01	-1.8311E-02	9.0749E+00	1.5521E+00
18.0	1.0648E-01	-1.8215E-02	9.1241E+00	1.5608E+00
18.1	1.0591E-01	-1.8121E-02	9.1733E+00	1.5695E+00
18.2	1.0535E-01	-1.8027E-02	9.2225E+00	1.5782E+00
18.3	1.0479E-01	-1.7935E-02	9.2716E+00	1.5869E+00
18.4	1.0423E-01	-1.7843E-02	9.3208E+00	1.5956E+00
18.5	1.0368E-01	-1.7752E-02	9.3700E+00	1.6043E+00
18.6	1.0314E-01	-1.7662E-02	9.4192E+00	1.6130E+00
18.7	1.0261E-01	-1.7573E-02	9.4684E+00	1.6217E+00
18.8	1.0207E-01	-1.7485E-02	9.5175E+00	1.6304E+00
18.9	1.0155E-01	-1.7398E-02	9.5667E+00	1.6391E+00
19.0	1.0103E-01	-1.7312E-02	9.6159E+00	1.6477E+00
19.1	1.0051E-01	-1.7226E-02	9.6651E+00	1.6564E+00
19.2	1.0000E-01	-1.7142E-02	9.7143E+00	1.6651E+00
19.3	9.9498E-02	-1.7058E-02	9.7635E+00	1.6738E+00
19.4	9.8999E-02	-1.6975E-02	9.8127E+00	1.6825E+00
19.5	9.8504E-02	-1.6893E-02	9.8618E+00	1.6912E+00
19.6	9.8014E-02	-1.6811E-02	9.9110E+00	1.6999E+00
19.7	9.7529E-02	-1.6730E-02	9.9602E+00	1.7086E+00
19.8	9.7049E-02	-1.6651E-02	1.0009E+01	1.7173E+00
19.9	9.6574E-02	-1.6571E-02	1.0059E+01	1.7260E+00
20.0	9.6103E-02	-1.6493E-02	1.0108E+01	1.7347E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	9.9892E-01	-6.2320E-04	1.0011E+00	6.2455E-04
0.2	9.9569E-01	-2.4714E-03	1.0043E+00	2.4928E-03
0.3	9.9034E-01	-5.4814E-03	1.0097E+00	5.5887E-03
0.4	9.8295E-01	-9.5524E-03	1.0173E+00	9.8859E-03
0.5	9.7359E-01	-1.4551E-02	1.0269E+00	1.5348E-02
0.6	9.6237E-01	-2.0320E-02	1.0386E+00	2.1930E-02
0.7	9.4944E-01	-2.6685E-02	1.0524E+00	2.9579E-02
0.8	9.3494E-01	-3.3464E-02	1.0682E+00	3.8235E-02
0.9	9.1904E-01	-4.0478E-02	1.0860E+00	4.7831E-02
1.0	9.0193E-01	-4.7555E-02	1.1057E+00	5.8297E-02
1.1	8.8379E-01	-5.4539E-02	1.1272E+00	6.9559E-02
1.2	8.6482E-01	-6.1294E-02	1.1505E+00	8.1543E-02
1.3	8.4522E-01	-6.7706E-02	1.1756E+00	9.4170E-02
1.4	8.2516E-01	-7.3688E-02	1.2023E+00	1.0737E-01
1.5	8.0482E-01	-7.9173E-02	1.2306E+00	1.2106E-01
1.6	7.8437E-01	-8.4120E-02	1.2604E+00	1.3517E-01
1.7	7.6395E-01	-8.8506E-02	1.2917E+00	1.4964E-01
1.8	7.4369E-01	-9.2329E-02	1.3242E+00	1.6440E-01
1.9	7.2370E-01	-9.5596E-02	1.3581E+00	1.7940E-01
2.0	7.0407E-01	-9.8331E-02	1.3931E+00	1.9457E-01
2.1	6.8487E-01	-1.0056E-01	1.4293E+00	2.0987E-01
2.2	6.6618E-01	-1.0233E-01	1.4665E+00	2.2526E-01
2.3	6.4803E-01	-1.0366E-01	1.5046E+00	2.4069E-01
2.4	6.3044E-01	-1.0461E-01	1.5437E+00	2.5614E-01
2.5	6.1346E-01	-1.0521E-01	1.5835E+00	2.7157E-01
2.6	5.9708E-01	-1.0550E-01	1.6241E+00	2.8697E-01
2.7	5.8130E-01	-1.0552E-01	1.6654E+00	3.0231E-01
2.8	5.6613E-01	-1.0531E-01	1.7073E+00	3.1758E-01
2.9	5.5156E-01	-1.0489E-01	1.7498E+00	3.3276E-01
3.0	5.3756E-01	-1.0430E-01	1.7927E+00	3.4785E-01
3.1	5.2414E-01	-1.0357E-01	1.8362E+00	3.6284E-01
3.2	5.1126E-01	-1.0272E-01	1.8801E+00	3.7773E-01
3.3	4.9891E-01	-1.0177E-01	1.9243E+00	3.9252E-01
3.4	4.8706E-01	-1.0073E-01	1.9689E+00	4.0720E-01
3.5	4.7570E-01	-9.9631E-02	2.0138E+00	4.2178E-01
3.6	4.6480E-01	-9.8481E-02	2.0590E+00	4.3626E-01
3.7	4.5435E-01	-9.7292E-02	2.1045E+00	4.5064E-01
3.8	4.4432E-01	-9.6076E-02	2.1501E+00	4.6493E-01
3.9	4.3468E-01	-9.4841E-02	2.1960E+00	4.7913E-01
4.0	4.2543E-01	-9.3594E-02	2.2420E+00	4.9324E-01
4.1	4.1654E-01	-9.2343E-02	2.2883E+00	5.0728E-01
4.2	4.0800E-01	-9.1093E-02	2.3346E+00	5.2124E-01
4.3	3.9978E-01	-8.9847E-02	2.3811E+00	5.3513E-01
4.4	3.9187E-01	-8.8610E-02	2.4277E+00	5.4896E-01
4.5	3.8426E-01	-8.7386E-02	2.4745E+00	5.6273E-01
4.6	3.7692E-01	-8.6176E-02	2.5213E+00	5.7644E-01
4.7	3.6985E-01	-8.4982E-02	2.5682E+00	5.9010E-01
4.8	3.6304E-01	-8.3806E-02	2.6152E+00	6.0371E-01
4.9	3.5646E-01	-8.2649E-02	2.6622E+00	6.1727E-01
5.0	3.5011E-01	-8.1512E-02	2.7094E+00	6.3080E-01

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	3.5011E-01	-8.1512E-02	2.7094E+00	6.3080E-01
5.1	3.4398E-01	-8.0396E-02	2.7566E+00	6.4429E-01
5.2	3.3805E-01	-7.9302E-02	2.8038E+00	6.5774E-01
5.3	3.3232E-01	-7.8229E-02	2.8511E+00	6.7116E-01
5.4	3.2678E-01	-7.7177E-02	2.8985E+00	6.8455E-01
5.5	3.2142E-01	-7.6147E-02	2.9459E+00	6.9792E-01
5.6	3.1622E-01	-7.5139E-02	2.9933E+00	7.1126E-01
5.7	3.1119E-01	-7.4152E-02	3.0408E+00	7.2457E-01
5.8	3.0631E-01	-7.3186E-02	3.0883E+00	7.3787E-01
5.9	3.0159E-01	-7.2241E-02	3.1359E+00	7.5115E-01
6.0	2.9700E-01	-7.1316E-02	3.1834E+00	7.6441E-01
6.1	2.9255E-01	-7.0411E-02	3.2310E+00	7.7765E-01
6.2	2.8823E-01	-6.9526E-02	3.2787E+00	7.9088E-01
6.3	2.8403E-01	-6.8661E-02	3.3263E+00	8.0409E-01
6.4	2.7996E-01	-6.7814E-02	3.3740E+00	8.1729E-01
6.5	2.7599E-01	-6.6986E-02	3.4217E+00	8.3048E-01
6.6	2.7214E-01	-6.6175E-02	3.4694E+00	8.4365E-01
6.7	2.6839E-01	-6.5383E-02	3.5172E+00	8.5682E-01
6.8	2.6474E-01	-6.4607E-02	3.5649E+00	8.6998E-01
6.9	2.6119E-01	-6.3848E-02	3.6127E+00	8.8312E-01
7.0	2.5773E-01	-6.3105E-02	3.6605E+00	8.9626E-01
7.1	2.5437E-01	-6.2378E-02	3.7083E+00	9.0939E-01
7.2	2.5108E-01	-6.1666E-02	3.7562E+00	9.2251E-01
7.3	2.4788E-01	-6.0969E-02	3.8040E+00	9.3563E-01
7.4	2.4477E-01	-6.0287E-02	3.8519E+00	9.4874E-01
7.5	2.4172E-01	-5.9619E-02	3.8997E+00	9.6184E-01
7.6	2.3875E-01	-5.8965E-02	3.9476E+00	9.7494E-01
7.7	2.3586E-01	-5.8324E-02	3.9955E+00	9.8803E-01
7.8	2.3303E-01	-5.7696E-02	4.0434E+00	1.0011E+00
7.9	2.3027E-01	-5.7081E-02	4.0913E+00	1.0142E+00
8.0	2.2757E-01	-5.6478E-02	4.1393E+00	1.0273E+00
8.1	2.2494E-01	-5.5887E-02	4.1872E+00	1.0403E+00
8.2	2.2236E-01	-5.5308E-02	4.2352E+00	1.0534E+00
8.3	2.1984E-01	-5.4740E-02	4.2831E+00	1.0665E+00
8.4	2.1738E-01	-5.4183E-02	4.3311E+00	1.0795E+00
8.5	2.1498E-01	-5.3637E-02	4.3791E+00	1.0926E+00
8.6	2.1262E-01	-5.3102E-02	4.4271E+00	1.1056E+00
8.7	2.1032E-01	-5.2576E-02	4.4750E+00	1.1187E+00
8.8	2.0806E-01	-5.2061E-02	4.5230E+00	1.1317E+00
8.9	2.0586E-01	-5.1555E-02	4.5711E+00	1.1448E+00
A 9.0	2.0370E-01	-5.1058E-02	4.6191E+00	1.1578E+00
9.1	2.0158E-01	-5.0571E-02	4.6671E+00	1.1709E+00
9.2	1.9951E-01	-5.0093E-02	4.7151E+00	1.1839E+00
9.3	1.9748E-01	-4.9623E-02	4.7632E+00	1.1969E+00
9.4	1.9548E-01	-4.9162E-02	4.8112E+00	1.2100E+00
9.5	1.9353E-01	-4.8709E-02	4.8592E+00	1.2230E+00
9.6	1.9162E-01	-4.8264E-02	4.9073E+00	1.2360E+00
9.7	1.8975E-01	-4.7827E-02	4.9554E+00	1.2490E+00
9.8	1.8791E-01	-4.7397E-02	5.0034E+00	1.2620E+00
9.9	1.8610E-01	-4.6975E-02	5.0515E+00	1.2751E+00
10.0	1.8433E-01	-4.6561E-02	5.0996E+00	1.2881E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.8433E-01	-4.6561E-02	5.0996E+00	1.2881E+00
10.1	1.8260E-01	-4.6153E-02	5.1476E+00	1.3011E+00
10.2	1.8089E-01	-4.5752E-02	5.1957E+00	1.3141E+00
10.3	1.7922E-01	-4.5358E-02	5.2438E+00	1.3271E+00
10.4	1.7758E-01	-4.4971E-02	5.2919E+00	1.3401E+00
10.5	1.7597E-01	-4.4589E-02	5.3400E+00	1.3531E+00
10.6	1.7438E-01	-4.4215E-02	5.3881E+00	1.3661E+00
10.7	1.7283E-01	-4.3846E-02	5.4362E+00	1.3791E+00
10.8	1.7130E-01	-4.3483E-02	5.4843E+00	1.3922E+00
10.9	1.6980E-01	-4.3126E-02	5.5324E+00	1.4052E+00
11.0	1.6832E-01	-4.2775E-02	5.5805E+00	1.4182E+00
11.1	1.6687E-01	-4.2430E-02	5.6287E+00	1.4312E+00
11.2	1.6545E-01	-4.2089E-02	5.6768E+00	1.4442E+00
11.3	1.6405E-01	-4.1755E-02	5.7249E+00	1.4571E+00
11.4	1.6267E-01	-4.1425E-02	5.7730E+00	1.4701E+00
11.5	1.6131E-01	-4.1100E-02	5.8212E+00	1.4831E+00
11.6	1.5998E-01	-4.0781E-02	5.8693E+00	1.4961E+00
11.7	1.5867E-01	-4.0466E-02	5.9175E+00	1.5091E+00
11.8	1.5738E-01	-4.0156E-02	5.9656E+00	1.5221E+00
11.9	1.5611E-01	-3.9851E-02	6.0137E+00	1.5351E+00
12.0	1.5486E-01	-3.9550E-02	6.0619E+00	1.5481E+00
12.1	1.5364E-01	-3.9253E-02	6.1100E+00	1.5611E+00
12.2	1.5243E-01	-3.8961E-02	6.1582E+00	1.5741E+00
12.3	1.5124E-01	-3.8673E-02	6.2063E+00	1.5871E+00
12.4	1.5006E-01	-3.8390E-02	6.2545E+00	1.6000E+00
12.5	1.4891E-01	-3.8110E-02	6.3027E+00	1.6130E+00
12.6	1.4777E-01	-3.7835E-02	6.3508E+00	1.6260E+00
12.7	1.4665E-01	-3.7563E-02	6.3990E+00	1.6390E+00
12.8	1.4555E-01	-3.7295E-02	6.4472E+00	1.6520E+00
12.9	1.4446E-01	-3.7031E-02	6.4953E+00	1.6650E+00
13.0	1.4339E-01	-3.6770E-02	6.5435E+00	1.6779E+00
13.1	1.4234E-01	-3.6514E-02	6.5917E+00	1.6909E+00
13.2	1.4130E-01	-3.6260E-02	6.6398E+00	1.7039E+00
13.3	1.4028E-01	-3.6010E-02	6.6880E+00	1.7169E+00
13.4	1.3927E-01	-3.5764E-02	6.7362E+00	1.7299E+00
13.5	1.3827E-01	-3.5521E-02	6.7844E+00	1.7428E+00
13.6	1.3729E-01	-3.5281E-02	6.8326E+00	1.7558E+00
13.7	1.3632E-01	-3.5044E-02	6.8808E+00	1.7688E+00
13.8	1.3537E-01	-3.4810E-02	6.9289E+00	1.7818E+00
13.9	1.3443E-01	-3.4580E-02	6.9771E+00	1.7947E+00
14.0	1.3350E-01	-3.4352E-02	7.0253E+00	1.8077E+00
14.1	1.3259E-01	-3.4128E-02	7.0735E+00	1.8207E+00
14.2	1.3169E-01	-3.3906E-02	7.1217E+00	1.8337E+00
14.3	1.3080E-01	-3.3687E-02	7.1699E+00	1.8466E+00
14.4	1.2992E-01	-3.3471E-02	7.2181E+00	1.8596E+00
14.5	1.2905E-01	-3.3257E-02	7.2663E+00	1.8726E+00
14.6	1.2820E-01	-3.3047E-02	7.3145E+00	1.8855E+00
14.7	1.2735E-01	-3.2839E-02	7.3627E+00	1.8985E+00
14.8	1.2652E-01	-3.2633E-02	7.4109E+00	1.9115E+00
14.9	1.2570E-01	-3.2430E-02	7.4591E+00	1.9245E+00
15.0	1.2489E-01	-3.2230E-02	7.5073E+00	1.9374E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	1.2489E-01	-3.2230E-02	7.5073E+00	1.9374E+00
15.1	1.2409E-01	-3.2032E-02	7.5555E+00	1.9504E+00
15.2	1.2329E-01	-3.1836E-02	7.6037E+00	1.9634E+00
15.3	1.2251E-01	-3.1643E-02	7.6519E+00	1.9763E+00
15.4	1.2174E-01	-3.1452E-02	7.7001E+00	1.9893E+00
15.5	1.2098E-01	-3.1263E-02	7.7483E+00	2.0023E+00
15.6	1.2023E-01	-3.1077E-02	7.7965E+00	2.0152E+00
15.7	1.1949E-01	-3.0892E-02	7.8448E+00	2.0282E+00
15.8	1.1875E-01	-3.0710E-02	7.8930E+00	2.0412E+00
15.9	1.1803E-01	-3.0530E-02	7.9412E+00	2.0541E+00
16.0	1.1731E-01	-3.0352E-02	7.9894E+00	2.0671E+00
16.1	1.1661E-01	-3.0177E-02	8.0376E+00	2.0801E+00
16.2	1.1591E-01	-3.0003E-02	8.0858E+00	2.0930E+00
16.3	1.1522E-01	-2.9831E-02	8.1341E+00	2.1060E+00
16.4	1.1453E-01	-2.9661E-02	8.1823E+00	2.1190E+00
16.5	1.1386E-01	-2.9493E-02	8.2305E+00	2.1319E+00
16.6	1.1319E-01	-2.9327E-02	8.2787E+00	2.1449E+00
16.7	1.1253E-01	-2.9162E-02	8.3269E+00	2.1579E+00
16.8	1.1188E-01	-2.9000E-02	8.3752E+00	2.1708E+00
16.9	1.1124E-01	-2.8839E-02	8.4234E+00	2.1838E+00
17.0	1.1060E-01	-2.8680E-02	8.4716E+00	2.1967E+00
17.1	1.0998E-01	-2.8523E-02	8.5199E+00	2.2097E+00
17.2	1.0935E-01	-2.8368E-02	8.5681E+00	2.2227E+00
17.3	1.0874E-01	-2.8214E-02	8.6163E+00	2.2356E+00
17.4	1.0813E-01	-2.8062E-02	8.6645E+00	2.2486E+00
17.5	1.0753E-01	-2.7911E-02	8.7128E+00	2.2616E+00
17.6	1.0693E-01	-2.7762E-02	8.7610E+00	2.2745E+00
17.7	1.0635E-01	-2.7615E-02	8.8092E+00	2.2875E+00
17.8	1.0577E-01	-2.7469E-02	8.8575E+00	2.3004E+00
17.9	1.0519E-01	-2.7325E-02	8.9057E+00	2.3134E+00
18.0	1.0462E-01	-2.7182E-02	8.9539E+00	2.3264E+00
18.1	1.0406E-01	-2.7041E-02	9.0022E+00	2.3393E+00
18.2	1.0350E-01	-2.6901E-02	9.0504E+00	2.3523E+00
18.3	1.0295E-01	-2.6762E-02	9.0986E+00	2.3652E+00
18.4	1.0240E-01	-2.6625E-02	9.1469E+00	2.3782E+00
18.5	1.0186E-01	-2.6490E-02	9.1951E+00	2.3911E+00
18.6	1.0133E-01	-2.6355E-02	9.2433E+00	2.4041E+00
18.7	1.0080E-01	-2.6222E-02	9.2916E+00	2.4171E+00
18.8	1.0028E-01	-2.6091E-02	9.3398E+00	2.4300E+00
18.9	9.9763E-02	-2.5960E-02	9.3881E+00	2.4430E+00
19.0	9.9251E-02	-2.5831E-02	9.4363E+00	2.4559E+00
19.1	9.8744E-02	-2.5704E-02	9.4845E+00	2.4689E+00
19.2	9.8242E-02	-2.5577E-02	9.5328E+00	2.4819E+00
19.3	9.7745E-02	-2.5452E-02	9.5810E+00	2.4948E+00
19.4	9.7254E-02	-2.5328E-02	9.6293E+00	2.5078E+00
19.5	9.6767E-02	-2.5205E-02	9.6775E+00	2.5207E+00
19.6	9.6285E-02	-2.5083E-02	9.7258E+00	2.5337E+00
19.7	9.5808E-02	-2.4963E-02	9.7740E+00	2.5466E+00
19.8	9.5336E-02	-2.4844E-02	9.8223E+00	2.5596E+00
19.9	9.4868E-02	-2.4725E-02	9.8705E+00	2.5725E+00
20.0	9.4405E-02	-2.4608E-02	9.9187E+00	2.5855E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	9.9904E-01	-8.0144E-04	1.0010E+00	8.0297E-04
0.2	9.9618E-01	-3.1813E-03	1.0038E+00	3.2057E-03
0.3	9.9141E-01	-7.0674E-03	1.0086E+00	7.1900E-03
0.4	9.8478E-01	-1.2343E-02	1.0153E+00	1.2726E-02
0.5	9.7631E-01	-1.8852E-02	1.0239E+00	1.9771E-02
0.6	9.6607E-01	-2.6407E-02	1.0343E+00	2.8274E-02
0.7	9.5413E-01	-3.4796E-02	1.0467E+00	3.8172E-02
0.8	9.4058E-01	-4.3794E-02	1.0609E+00	4.9395E-02
0.9	9.2555E-01	-5.3169E-02	1.0769E+00	6.1863E-02
1.0	9.0916E-01	-6.2698E-02	1.0947E+00	7.5493E-02
1.1	8.9159E-01	-7.2168E-02	1.1143E+00	9.0194E-02
1.2	8.7300E-01	-8.1390E-02	1.1356E+00	1.0587E-01
1.3	8.5357E-01	-9.0200E-02	1.1586E+00	1.2243E-01
1.4	8.3350E-01	-9.8465E-02	1.1832E+00	1.3978E-01
1.5	8.1297E-01	-1.0608E-01	1.2095E+00	1.5782E-01
1.6	7.9215E-01	-1.1298E-01	1.2372E+00	1.7645E-01
1.7	7.7123E-01	-1.1911E-01	1.2664E+00	1.9559E-01
1.8	7.5034E-01	-1.2447E-01	1.2970E+00	2.1515E-01
1.9	7.2964E-01	-1.2905E-01	1.3290E+00	2.3505E-01
2.0	7.0924E-01	-1.3289E-01	1.3621E+00	2.5522E-01
2.1	6.8923E-01	-1.3601E-01	1.3965E+00	2.7558E-01
2.2	6.6970E-01	-1.3846E-01	1.4320E+00	2.9607E-01
2.3	6.5072E-01	-1.4031E-01	1.4685E+00	3.1663E-01
2.4	6.3233E-01	-1.4160E-01	1.5059E+00	3.3723E-01
2.5	6.1456E-01	-1.4239E-01	1.5443E+00	3.5781E-01
2.6	5.9743E-01	-1.4275E-01	1.5834E+00	3.7835E-01
2.7	5.8096E-01	-1.4272E-01	1.6233E+00	3.9880E-01
2.8	5.6514E-01	-1.4236E-01	1.6639E+00	4.1916E-01
2.9	5.4996E-01	-1.4172E-01	1.7051E+00	4.3939E-01
3.0	5.3542E-01	-1.4084E-01	1.7468E+00	4.5949E-01
3.1	5.2149E-01	-1.3975E-01	1.7891E+00	4.7945E-01
3.2	5.0816E-01	-1.3850E-01	1.8318E+00	4.9926E-01
3.3	4.9541E-01	-1.3711E-01	1.8749E+00	5.1891E-01
3.4	4.8321E-01	-1.3562E-01	1.9184E+00	5.3842E-01
3.5	4.7153E-01	-1.3404E-01	1.9622E+00	5.5777E-01
3.6	4.6036E-01	-1.3239E-01	2.0063E+00	5.7698E-01
3.7	4.4967E-01	-1.3070E-01	2.0506E+00	5.9605E-01
3.8	4.3942E-01	-1.2898E-01	2.0952E+00	6.1498E-01
3.9	4.2961E-01	-1.2723E-01	2.1400E+00	6.3378E-01
4.0	4.2021E-01	-1.2548E-01	2.1849E+00	6.5246E-01
4.1	4.1119E-01	-1.2373E-01	2.2301E+00	6.7103E-01
4.2	4.0254E-01	-1.2198E-01	2.2753E+00	6.8949E-01
4.3	3.9423E-01	-1.2024E-01	2.3207E+00	7.0785E-01
4.4	3.8625E-01	-1.1853E-01	2.3662E+00	7.2611E-01
4.5	3.7857E-01	-1.1683E-01	2.4118E+00	7.4430E-01
4.6	3.7119E-01	-1.1516E-01	2.4575E+00	7.6240E-01
4.7	3.6409E-01	-1.1351E-01	2.5033E+00	7.8043E-01
4.8	3.5725E-01	-1.1189E-01	2.5491E+00	7.9840E-01
4.9	3.5066E-01	-1.1030E-01	2.5950E+00	8.1630E-01
5.0	3.4430E-01	-1.0875E-01	2.6410E+00	8.3415E-01

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GOULD INC GLEN BURNIE MD CHESAPEAKE INSTRUMENT DIV

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TABLE OF THE MODIFIED BESSEL FUNCTIONS OF ORDERS ZERO AND ONE Y--ETC(U)
JUN 81 O LINDEMANN N00014-78-C-0572

JUN 81 0 LINDEMANN

N00014-78-C-0572

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R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	3.4430E-01	-1.0875E-01	2.6410E+00	8.3415E-01
5.1	3.3817E-01	-1.0722E-01	2.6870E+00	8.5195E-01
5.2	3.3225E-01	-1.0573E-01	2.7331E+00	8.6971E-01
5.3	3.2653E-01	-1.0426E-01	2.7792E+00	8.8742E-01
5.4	3.2100E-01	-1.0283E-01	2.8253E+00	9.0509E-01
5.5	3.1565E-01	-1.0143E-01	2.8715E+00	9.2273E-01
5.6	3.1048E-01	-1.0006E-01	2.9177E+00	9.4033E-01
5.7	3.0548E-01	-9.8725E-02	2.9640E+00	9.5791E-01
5.8	3.0063E-01	-9.7417E-02	3.0103E+00	9.7546E-01
5.9	2.9593E-01	-9.6139E-02	3.0566E+00	9.9298E-01
6.0	2.9138E-01	-9.4889E-02	3.1029E+00	1.0105E+00
6.1	2.8696E-01	-9.3668E-02	3.1493E+00	1.0280E+00
6.2	2.8267E-01	-9.2474E-02	3.1956E+00	1.0454E+00
6.3	2.7851E-01	-9.1308E-02	3.2420E+00	1.0629E+00
6.4	2.7447E-01	-9.0167E-02	3.2885E+00	1.0803E+00
6.5	2.7055E-01	-8.9052E-02	3.3349E+00	1.0977E+00
6.6	2.6673E-01	-8.7962E-02	3.3814E+00	1.1151E+00
6.7	2.6302E-01	-8.6897E-02	3.4278E+00	1.1325E+00
6.8	2.5941E-01	-8.5854E-02	3.4743E+00	1.1499E+00
6.9	2.5590E-01	-8.4835E-02	3.5208E+00	1.1672E+00
7.0	2.5248E-01	-8.3838E-02	3.5674E+00	1.1846E+00
7.1	2.4915E-01	-8.2863E-02	3.6139E+00	1.2019E+00
7.2	2.4591E-01	-8.1909E-02	3.6604E+00	1.2192E+00
7.3	2.4275E-01	-8.0975E-02	3.7070E+00	1.2366E+00
7.4	2.3967E-01	-8.0061E-02	3.7536E+00	1.2539E+00
7.5	2.3666E-01	-7.9166E-02	3.8002E+00	1.2712E+00
7.6	2.3373E-01	-7.8290E-02	3.8468E+00	1.2885E+00
7.7	2.3088E-01	-7.7432E-02	3.8934E+00	1.3058E+00
7.8	2.2809E-01	-7.6592E-02	3.9400E+00	1.3231E+00
7.9	2.2536E-01	-7.5770E-02	3.9866E+00	1.3404E+00
8.0	2.2270E-01	-7.4964E-02	4.0333E+00	1.3576E+00
8.1	2.2011E-01	-7.4174E-02	4.0799E+00	1.3749E+00
8.2	2.1757E-01	-7.3400E-02	4.1266E+00	1.3922E+00
8.3	2.1509E-01	-7.2641E-02	4.1733E+00	1.4094E+00
8.4	2.1266E-01	-7.1897E-02	4.2199E+00	1.4267E+00
8.5	2.1029E-01	-7.1168E-02	4.2666E+00	1.4439E+00
8.6	2.0797E-01	-7.0453E-02	4.3133E+00	1.4612E+00
8.7	2.0571E-01	-6.9752E-02	4.3600E+00	1.4784E+00
8.8	2.0349E-01	-6.9064E-02	4.4067E+00	1.4956E+00
8.9	2.0131E-01	-6.8389E-02	4.4534E+00	1.5129E+00
9.0	1.9919E-01	-6.7726E-02	4.5001E+00	1.5301E+00
9.1	1.9711E-01	-6.7076E-02	4.5469E+00	1.5473E+00
9.2	1.9507E-01	-6.6438E-02	4.5936E+00	1.5645E+00
9.3	1.9307E-01	-6.5812E-02	4.6403E+00	1.5818E+00
9.4	1.9111E-01	-6.5197E-02	4.6871E+00	1.5990E+00
9.5	1.8919E-01	-6.4593E-02	4.7338E+00	1.6162E+00
9.6	1.8731E-01	-6.4000E-02	4.7806E+00	1.6334E+00
9.7	1.8547E-01	-6.3417E-02	4.8273E+00	1.6506E+00
9.8	1.8366E-01	-6.2845E-02	4.8741E+00	1.6678E+00
9.9	1.8189E-01	-6.2283E-02	4.9209E+00	1.6850E+00
10.0	1.8015E-01	-6.1730E-02	4.9676E+00	1.7022E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.8015E-01	-6.1730E-02	4.9676E+00	1.7022E+00
10.1	1.7844E-01	-6.1187E-02	5.0144E+00	1.7194E+00
10.2	1.7677E-01	-6.0654E-02	5.0612E+00	1.7366E+00
10.3	1.7513E-01	-6.0129E-02	5.1080E+00	1.7538E+00
10.4	1.7351E-01	-5.9613E-02	5.1548E+00	1.7710E+00
10.5	1.7193E-01	-5.9105E-02	5.2016E+00	1.7882E+00
10.6	1.7038E-01	-5.8607E-02	5.2484E+00	1.8054E+00
10.7	1.6885E-01	-5.8116E-02	5.2952E+00	1.8225E+00
10.8	1.6735E-01	-5.7633E-02	5.3420E+00	1.8397E+00
10.9	1.6587E-01	-5.7158E-02	5.3888E+00	1.8569E+00
11.0	1.6443E-01	-5.6691E-02	5.4356E+00	1.8741E+00
11.1	1.6300E-01	-5.6231E-02	5.4824E+00	1.8913E+00
11.2	1.6160E-01	-5.5778E-02	5.5292E+00	1.9084E+00
11.3	1.6023E-01	-5.5333E-02	5.5761E+00	1.9256E+00
11.4	1.5888E-01	-5.4894E-02	5.6229E+00	1.9428E+00
11.5	1.5755E-01	-5.4463E-02	5.6697E+00	1.9600E+00
11.6	1.5624E-01	-5.4038E-02	5.7166E+00	1.9771E+00
11.7	1.5496E-01	-5.3619E-02	5.7634E+00	1.9943E+00
11.8	1.5369E-01	-5.3207E-02	5.8102E+00	2.0115E+00
11.9	1.5245E-01	-5.2801E-02	5.8571E+00	2.0286E+00
12.0	1.5122E-01	-5.2401E-02	5.9039E+00	2.0458E+00
12.1	1.5002E-01	-5.2006E-02	5.9508E+00	2.0630E+00
12.2	1.4883E-01	-5.1618E-02	5.9976E+00	2.0801E+00
12.3	1.4766E-01	-5.1236E-02	6.0445E+00	2.0973E+00
12.4	1.4651E-01	-5.0859E-02	6.0913E+00	2.1144E+00
12.5	1.4538E-01	-5.0487E-02	6.1382E+00	2.1316E+00
12.6	1.4427E-01	-5.0121E-02	6.1850E+00	2.1488E+00
12.7	1.4317E-01	-4.9760E-02	6.2319E+00	2.1659E+00
12.8	1.4209E-01	-4.9404E-02	6.2787E+00	2.1831E+00
12.9	1.4103E-01	-4.9053E-02	6.3256E+00	2.2002E+00
13.0	1.3998E-01	-4.8707E-02	6.3725E+00	2.2174E+00
13.1	1.3894E-01	-4.8365E-02	6.4193E+00	2.2345E+00
13.2	1.3793E-01	-4.8029E-02	6.4662E+00	2.2517E+00
13.3	1.3692E-01	-4.7697E-02	6.5131E+00	2.2688E+00
13.4	1.3593E-01	-4.7369E-02	6.5599E+00	2.2860E+00
13.5	1.3496E-01	-4.7046E-02	6.6068E+00	2.3031E+00
13.6	1.3400E-01	-4.6728E-02	6.6537E+00	2.3203E+00
13.7	1.3305E-01	-4.6413E-02	6.7006E+00	2.3374E+00
13.8	1.3212E-01	-4.6103E-02	6.7474E+00	2.3546E+00
13.9	1.3120E-01	-4.5797E-02	6.7943E+00	2.3717E+00
14.0	1.3029E-01	-4.5494E-02	6.8412E+00	2.3889E+00
14.1	1.2939E-01	-4.5196E-02	6.8881E+00	2.4060E+00
14.2	1.2851E-01	-4.4902E-02	6.9350E+00	2.4231E+00
14.3	1.2764E-01	-4.4611E-02	6.9819E+00	2.4403E+00
14.4	1.2678E-01	-4.4324E-02	7.0288E+00	2.4574E+00
14.5	1.2593E-01	-4.4041E-02	7.0756E+00	2.4746E+00
14.6	1.2509E-01	-4.3761E-02	7.1225E+00	2.4917E+00
14.7	1.2426E-01	-4.3485E-02	7.1694E+00	2.5089E+00
14.8	1.2345E-01	-4.3212E-02	7.2163E+00	2.5260E+00
14.9	1.2264E-01	-4.2942E-02	7.2632E+00	2.5431E+00
15.0	1.2185E-01	-4.2676E-02	7.3101E+00	2.5603E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	1.2185E-01	-4.2676E-02	7.3101E+00	2.5603E+00
15.1	1.2107E-01	-4.2413E-02	7.3570E+00	2.5774E+00
15.2	1.2029E-01	-4.2154E-02	7.4039E+00	2.5945E+00
15.3	1.1953E-01	-4.1897E-02	7.4508E+00	2.6117E+00
15.4	1.1877E-01	-4.1644E-02	7.4977E+00	2.6288E+00
15.5	1.1803E-01	-4.1393E-02	7.5446E+00	2.6460E+00
15.6	1.1729E-01	-4.1146E-02	7.5915E+00	2.6631E+00
15.7	1.1657E-01	-4.0901E-02	7.6384E+00	2.6802E+00
15.8	1.1585E-01	-4.0660E-02	7.6853E+00	2.6974E+00
15.9	1.1514E-01	-4.0421E-02	7.7322E+00	2.7145E+00
16.0	1.1444E-01	-4.0185E-02	7.7791E+00	2.7316E+00
16.1	1.1375E-01	-3.9951E-02	7.8261E+00	2.7488E+00
16.2	1.1306E-01	-3.9721E-02	7.8730E+00	2.7659E+00
16.3	1.1239E-01	-3.9492E-02	7.9199E+00	2.7830E+00
16.4	1.1172E-01	-3.9267E-02	7.9668E+00	2.8002E+00
16.5	1.1106E-01	-3.9044E-02	8.0137E+00	2.8173E+00
16.6	1.1041E-01	-3.8824E-02	8.0606E+00	2.8344E+00
16.7	1.0976E-01	-3.8606E-02	8.1075E+00	2.8515E+00
16.8	1.0913E-01	-3.8390E-02	8.1544E+00	2.8687E+00
16.9	1.0850E-01	-3.8177E-02	8.2014E+00	2.8858E+00
17.0	1.0788E-01	-3.7966E-02	8.2483E+00	2.9029E+00
17.1	1.0726E-01	-3.7758E-02	8.2952E+00	2.9201E+00
17.2	1.0665E-01	-3.7551E-02	8.3421E+00	2.9372E+00
17.3	1.0605E-01	-3.7347E-02	8.3890E+00	2.9543E+00
17.4	1.0546E-01	-3.7146E-02	8.4360E+00	2.9714E+00
17.5	1.0487E-01	-3.6946E-02	8.4829E+00	2.9886E+00
17.6	1.0429E-01	-3.6748E-02	8.5298E+00	3.0057E+00
17.7	1.0371E-01	-3.6553E-02	8.5767E+00	3.0228E+00
17.8	1.0314E-01	-3.6359E-02	8.6236E+00	3.0400E+00
17.9	1.0258E-01	-3.6168E-02	8.6706E+00	3.0571E+00
18.0	1.0202E-01	-3.5979E-02	8.7175E+00	3.0742E+00
18.1	1.0147E-01	-3.5791E-02	8.7644E+00	3.0913E+00
18.2	1.0093E-01	-3.5606E-02	8.8113E+00	3.1085E+00
18.3	1.0039E-01	-3.5422E-02	8.8583E+00	3.1256E+00
18.4	9.9857E-02	-3.5240E-02	8.9052E+00	3.1427E+00
18.5	9.9330E-02	-3.5061E-02	8.9521E+00	3.1598E+00
18.6	9.8808E-02	-3.4882E-02	8.9990E+00	3.1770E+00
18.7	9.8292E-02	-3.4706E-02	9.0460E+00	3.1941E+00
18.8	9.7781E-02	-3.4532E-02	9.0929E+00	3.2112E+00
18.9	9.7275E-02	-3.4359E-02	9.1398E+00	3.2283E+00
19.0	9.6774E-02	-3.4188E-02	9.1868E+00	3.2454E+00
19.1	9.6279E-02	-3.4019E-02	9.2337E+00	3.2626E+00
19.2	9.5789E-02	-3.3851E-02	9.2806E+00	3.2797E+00
19.3	9.5303E-02	-3.3685E-02	9.3276E+00	3.2968E+00
19.4	9.4823E-02	-3.3520E-02	9.3745E+00	3.3139E+00
19.5	9.4347E-02	-3.3358E-02	9.4214E+00	3.3311E+00
19.6	9.3876E-02	-3.3196E-02	9.4684E+00	3.3482E+00
19.7	9.3410E-02	-3.3036E-02	9.5153E+00	3.3653E+00
19.8	9.2948E-02	-3.2878E-02	9.5622E+00	3.3824E+00
19.9	9.2491E-02	-3.2722E-02	9.6092E+00	3.3995E+00
20.0	9.2038E-02	-3.2566E-02	9.6561E+00	3.4167E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	9.9920E-01	-9.5551E-04	1.0008E+00	9.5704E-04
0.2	9.9678E-01	-3.7975E-03	1.0032E+00	3.8220E-03
0.3	9.9274E-01	-8.4531E-03	1.0072E+00	8.5766E-03
0.4	9.8706E-01	-1.4803E-02	1.0129E+00	1.5190E-02
0.5	9.7973E-01	-2.2685E-02	1.0201E+00	2.3621E-02
0.6	9.7074E-01	-3.1900E-02	1.0290E+00	3.3815E-02
0.7	9.6009E-01	-4.2214E-02	1.0396E+00	4.5708E-02
0.8	9.4782E-01	-5.3375E-02	1.0517E+00	5.9226E-02
0.9	9.3396E-01	-6.5113E-02	1.0655E+00	7.4286E-02
1.0	9.1860E-01	-7.7155E-02	1.0810E+00	9.0795E-02
1.1	9.0184E-01	-8.9237E-02	1.0981E+00	1.0866E-01
1.2	8.8383E-01	-1.0111E-01	1.1168E+00	1.2776E-01
1.3	8.6473E-01	-1.1255E-01	1.1372E+00	1.4801E-01
1.4	8.4471E-01	-1.2336E-01	1.1591E+00	1.6928E-01
1.5	8.2397E-01	-1.3339E-01	1.1826E+00	1.9146E-01
1.6	8.0271E-01	-1.4253E-01	1.2077E+00	2.1444E-01
1.7	7.8113E-01	-1.5069E-01	1.2343E+00	2.3811E-01
1.8	7.5942E-01	-1.5784E-01	1.2623E+00	2.6236E-01
1.9	7.3775E-01	-1.6397E-01	1.2917E+00	2.8708E-01
2.0	7.1628E-01	-1.6909E-01	1.3224E+00	3.1218E-01
2.1	6.9514E-01	-1.7325E-01	1.3544E+00	3.3756E-01
2.2	6.7446E-01	-1.7651E-01	1.3876E+00	3.6315E-01
2.3	6.5431E-01	-1.7893E-01	1.4220E+00	3.8885E-01
2.4	6.3478E-01	-1.8059E-01	1.4574E+00	4.1461E-01
2.5	6.1591E-01	-1.8157E-01	1.4938E+00	4.4037E-01
2.6	5.9775E-01	-1.8196E-01	1.5311E+00	4.6607E-01
2.7	5.8030E-01	-1.8182E-01	1.5692E+00	4.9167E-01
2.8	5.6357E-01	-1.8123E-01	1.6081E+00	5.1713E-01
2.9	5.4757E-01	-1.8027E-01	1.6477E+00	5.4243E-01
3.0	5.3228E-01	-1.7898E-01	1.6879E+00	5.6754E-01
3.1	5.1768E-01	-1.7743E-01	1.7286E+00	5.9246E-01
3.2	5.0375E-01	-1.7566E-01	1.7699E+00	6.1717E-01
3.3	4.9047E-01	-1.7372E-01	1.8116E+00	6.4166E-01
3.4	4.7780E-01	-1.7165E-01	1.8537E+00	6.6594E-01
3.5	4.6572E-01	-1.6948E-01	1.8961E+00	6.9001E-01
3.6	4.5419E-01	-1.6723E-01	1.9389E+00	7.1387E-01
3.7	4.4320E-01	-1.6493E-01	1.9819E+00	7.3753E-01
3.8	4.3270E-01	-1.6260E-01	2.0251E+00	7.6100E-01
3.9	4.2267E-01	-1.6025E-01	2.0686E+00	7.8429E-01
4.0	4.1308E-01	-1.5791E-01	2.1122E+00	8.0741E-01
4.1	4.0391E-01	-1.5557E-01	2.1559E+00	8.3037E-01
4.2	3.9514E-01	-1.5325E-01	2.1998E+00	8.5319E-01
4.3	3.8674E-01	-1.5096E-01	2.2439E+00	8.7587E-01
4.4	3.7868E-01	-1.4870E-01	2.2880E+00	8.9842E-01
4.5	3.7095E-01	-1.4647E-01	2.3322E+00	9.2087E-01
4.6	3.6353E-01	-1.4429E-01	2.3764E+00	9.4320E-01
4.7	3.5640E-01	-1.4214E-01	2.4208E+00	9.6545E-01
4.8	3.4955E-01	-1.4004E-01	2.4652E+00	9.8761E-01
4.9	3.4296E-01	-1.3798E-01	2.5096E+00	1.0097E+00
5.0	3.3661E-01	-1.3597E-01	2.5541E+00	1.0317E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	3.3661E-01	-1.3597E-01	2.5541E+00	1.0317E+00
5.1	3.3049E-01	-1.3400E-01	2.5986E+00	1.0536E+00
5.2	3.2459E-01	-1.3208E-01	2.6432E+00	1.0755E+00
5.3	3.1890E-01	-1.3020E-01	2.6877E+00	1.0974E+00
5.4	3.1341E-01	-1.2837E-01	2.7324E+00	1.1192E+00
5.5	3.0810E-01	-1.2658E-01	2.7770E+00	1.1409E+00
5.6	3.0297E-01	-1.2483E-01	2.8217E+00	1.1626E+00
5.7	2.9800E-01	-1.2313E-01	2.8664E+00	1.1843E+00
5.8	2.9320E-01	-1.2146E-01	2.9111E+00	1.2059E+00
5.9	2.8855E-01	-1.1984E-01	2.9558E+00	1.2275E+00
6.0	2.8405E-01	-1.1825E-01	3.0005E+00	1.2491E+00
6.1	2.7968E-01	-1.1670E-01	3.0453E+00	1.2707E+00
6.2	2.7544E-01	-1.1519E-01	3.0901E+00	1.2923E+00
6.3	2.7134E-01	-1.1371E-01	3.1349E+00	1.3138E+00
6.4	2.6735E-01	-1.1227E-01	3.1797E+00	1.3353E+00
6.5	2.6348E-01	-1.1086E-01	3.2245E+00	1.3568E+00
6.6	2.5971E-01	-1.0949E-01	3.2694E+00	1.3782E+00
6.7	2.5606E-01	-1.0814E-01	3.3142E+00	1.3997E+00
6.8	2.5250E-01	-1.0683E-01	3.3591E+00	1.4212E+00
6.9	2.4904E-01	-1.0554E-01	3.4040E+00	1.4426E+00
7.0	2.4568E-01	-1.0429E-01	3.4489E+00	1.4640E+00
7.1	2.4240E-01	-1.0306E-01	3.4938E+00	1.4854E+00
7.2	2.3921E-01	-1.0186E-01	3.5387E+00	1.5068E+00
7.3	2.3611E-01	-1.0069E-01	3.5836E+00	1.5282E+00
7.4	2.3308E-01	-9.9538E-02	3.6286E+00	1.5496E+00
7.5	2.3013E-01	-9.8415E-02	3.6735E+00	1.5710E+00
7.6	2.2725E-01	-9.7315E-02	3.7185E+00	1.5923E+00
7.7	2.2445E-01	-9.6239E-02	3.7635E+00	1.6137E+00
7.8	2.2171E-01	-9.5185E-02	3.8084E+00	1.6351E+00
7.9	2.1904E-01	-9.4153E-02	3.8534E+00	1.6564E+00
8.0	2.1643E-01	-9.3143E-02	3.8984E+00	1.6777E+00
8.1	2.1388E-01	-9.2153E-02	3.9434E+00	1.6991E+00
8.2	2.1139E-01	-9.1183E-02	3.9885E+00	1.7204E+00
8.3	2.0896E-01	-9.0233E-02	4.0335E+00	1.7417E+00
8.4	2.0659E-01	-8.9301E-02	4.0785E+00	1.7630E+00
8.5	2.0426E-01	-8.8388E-02	4.1235E+00	1.7843E+00
8.6	2.0199E-01	-8.7493E-02	4.1686E+00	1.8056E+00
8.7	1.9977E-01	-8.6616E-02	4.2136E+00	1.8269E+00
8.8	1.9760E-01	-8.5755E-02	4.2587E+00	1.8482E+00
8.9	1.9547E-01	-8.4911E-02	4.3037E+00	1.8695E+00
9.0	1.9339E-01	-8.4083E-02	4.3488E+00	1.8908E+00
9.1	1.9135E-01	-8.3270E-02	4.3939E+00	1.9121E+00
9.2	1.8936E-01	-8.2473E-02	4.4390E+00	1.9334E+00
9.3	1.8740E-01	-8.1690E-02	4.4841E+00	1.9546E+00
9.4	1.8549E-01	-8.0922E-02	4.5291E+00	1.9759E+00
9.5	1.8361E-01	-8.0168E-02	4.5742E+00	1.9972E+00
9.6	1.8178E-01	-7.9427E-02	4.6193E+00	2.0184E+00
9.7	1.7997E-01	-7.8700E-02	4.6644E+00	2.0397E+00
9.8	1.7821E-01	-7.7985E-02	4.7096E+00	2.0609E+00
9.9	1.7648E-01	-7.7283E-02	4.7547E+00	2.0822E+00
10.0	1.7478E-01	-7.6594E-02	4.7998E+00	2.1034E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.7478E-01	-7.6594E-02	4.7998E+00	2.1034E+00
10.1	1.7311E-01	-7.5916E-02	4.8449E+00	2.1247E+00
10.2	1.7148E-01	-7.5250E-02	4.8900E+00	2.1459E+00
10.3	1.6987E-01	-7.4595E-02	4.9352E+00	2.1672E+00
10.4	1.6830E-01	-7.3952E-02	4.9803E+00	2.1884E+00
10.5	1.6675E-01	-7.3319E-02	5.0254E+00	2.2097E+00
10.6	1.6523E-01	-7.2697E-02	5.0706E+00	2.2309E+00
10.7	1.6374E-01	-7.2085E-02	5.1157E+00	2.2521E+00
10.8	1.6228E-01	-7.1483E-02	5.1609E+00	2.2733E+00
10.9	1.6084E-01	-7.0891E-02	5.2060E+00	2.2946E+00
11.0	1.5943E-01	-7.0308E-02	5.2512E+00	2.3158E+00
11.1	1.5804E-01	-6.9735E-02	5.2963E+00	2.3370E+00
11.2	1.5667E-01	-6.9171E-02	5.3415E+00	2.3582E+00
11.3	1.5533E-01	-6.8616E-02	5.3867E+00	2.3795E+00
11.4	1.5402E-01	-6.8070E-02	5.4318E+00	2.4007E+00
11.5	1.5272E-01	-6.7532E-02	5.4770E+00	2.4219E+00
11.6	1.5145E-01	-6.7002E-02	5.5222E+00	2.4431E+00
11.7	1.5019E-01	-6.6481E-02	5.5673E+00	2.4643E+00
11.8	1.4896E-01	-6.5967E-02	5.6125E+00	2.4855E+00
11.9	1.4775E-01	-6.5462E-02	5.6577E+00	2.5067E+00
12.0	1.4655E-01	-6.4964E-02	5.7029E+00	2.5279E+00
12.1	1.4538E-01	-6.4473E-02	5.7481E+00	2.5492E+00
12.2	1.4422E-01	-6.3990E-02	5.7932E+00	2.5704E+00
12.3	1.4309E-01	-6.3513E-02	5.8384E+00	2.5916E+00
12.4	1.4197E-01	-6.3044E-02	5.8836E+00	2.6128E+00
12.5	1.4087E-01	-6.2581E-02	5.9288E+00	2.6340E+00
12.6	1.3978E-01	-6.2125E-02	5.9740E+00	2.6552E+00
12.7	1.3871E-01	-6.1676E-02	6.0192E+00	2.6764E+00
12.8	1.3766E-01	-6.1233E-02	6.0644E+00	2.6976E+00
12.9	1.3662E-01	-6.0796E-02	6.1096E+00	2.7188E+00
13.0	1.3560E-01	-6.0366E-02	6.1548E+00	2.7399E+00
13.1	1.3460E-01	-5.9941E-02	6.2000E+00	2.7611E+00
13.2	1.3360E-01	-5.9523E-02	6.2452E+00	2.7823E+00
13.3	1.3263E-01	-5.9110E-02	6.2904E+00	2.8035E+00
13.4	1.3167E-01	-5.8702E-02	6.3356E+00	2.8247E+00
13.5	1.3072E-01	-5.8301E-02	6.3808E+00	2.8459E+00
13.6	1.2978E-01	-5.7904E-02	6.4261E+00	2.8671E+00
13.7	1.2886E-01	-5.7513E-02	6.4713E+00	2.8883E+00
13.8	1.2795E-01	-5.7127E-02	6.5165E+00	2.9095E+00
13.9	1.2705E-01	-5.6746E-02	6.5617E+00	2.9307E+00
14.0	1.2617E-01	-5.6371E-02	6.6069E+00	2.9518E+00
14.1	1.2530E-01	-5.6000E-02	6.6521E+00	2.9730E+00
14.2	1.2444E-01	-5.5634E-02	6.6974E+00	2.9942E+00
14.3	1.2359E-01	-5.5272E-02	6.7426E+00	3.0154E+00
14.4	1.2276E-01	-5.4916E-02	6.7878E+00	3.0366E+00
14.5	1.2193E-01	-5.4563E-02	6.8330E+00	3.0577E+00
14.6	1.2112E-01	-5.4216E-02	6.8783E+00	3.0789E+00
14.7	1.2031E-01	-5.3872E-02	6.9235E+00	3.1001E+00
14.8	1.1952E-01	-5.3533E-02	6.9687E+00	3.1213E+00
14.9	1.1874E-01	-5.3198E-02	7.0140E+00	3.1425E+00
15.0	1.1797E-01	-5.2868E-02	7.0592E+00	3.1636E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	1.1797E-01	-5.2868E-02	7.0592E+00	3.1636E+00
15.1	1.1720E-01	-5.2541E-02	7.1044E+00	3.1848E+00
15.2	1.1645E-01	-5.2218E-02	7.1497E+00	3.2060E+00
15.3	1.1571E-01	-5.1899E-02	7.1949E+00	3.2272E+00
15.4	1.1498E-01	-5.1585E-02	7.2401E+00	3.2483E+00
15.5	1.1425E-01	-5.1273E-02	7.2854E+00	3.2695E+00
15.6	1.1354E-01	-5.0966E-02	7.3306E+00	3.2907E+00
15.7	1.1283E-01	-5.0662E-02	7.3758E+00	3.3119E+00
15.8	1.1213E-01	-5.0362E-02	7.4211E+00	3.3330E+00
15.9	1.1144E-01	-5.0065E-02	7.4663E+00	3.3542E+00
16.0	1.1076E-01	-4.9772E-02	7.5116E+00	3.3754E+00
16.1	1.1009E-01	-4.9482E-02	7.5568E+00	3.3965E+00
16.2	1.0943E-01	-4.9195E-02	7.6021E+00	3.4177E+00
16.3	1.0877E-01	-4.8912E-02	7.6473E+00	3.4389E+00
16.4	1.0812E-01	-4.8632E-02	7.6925E+00	3.4600E+00
16.5	1.0748E-01	-4.8355E-02	7.7378E+00	3.4812E+00
16.6	1.0685E-01	-4.8082E-02	7.7830E+00	3.5024E+00
16.7	1.0622E-01	-4.7811E-02	7.8283E+00	3.5235E+00
16.8	1.0560E-01	-4.7543E-02	7.8735E+00	3.5447E+00
16.9	1.0499E-01	-4.7279E-02	7.9188E+00	3.5659E+00
17.0	1.0439E-01	-4.7017E-02	7.9640E+00	3.5870E+00
17.1	1.0379E-01	-4.6758E-02	8.0093E+00	3.6082E+00
17.2	1.0320E-01	-4.6502E-02	8.0545E+00	3.6294E+00
17.3	1.0262E-01	-4.6248E-02	8.0998E+00	3.6505E+00
17.4	1.0204E-01	-4.5998E-02	8.1451E+00	3.6717E+00
17.5	1.0147E-01	-4.5750E-02	8.1903E+00	3.6929E+00
17.6	1.0090E-01	-4.5505E-02	8.2356E+00	3.7140E+00
17.7	1.0034E-01	-4.5262E-02	8.2808E+00	3.7352E+00
17.8	9.9793E-02	-4.5022E-02	8.3261E+00	3.7564E+00
17.9	9.9247E-02	-4.4784E-02	8.3713E+00	3.7775E+00
18.0	9.8706E-02	-4.4549E-02	8.4166E+00	3.7987E+00
18.1	9.8172E-02	-4.4317E-02	8.4619E+00	3.8198E+00
18.2	9.7644E-02	-4.4086E-02	8.5071E+00	3.8410E+00
18.3	9.7121E-02	-4.3859E-02	8.5524E+00	3.8622E+00
18.4	9.6603E-02	-4.3633E-02	8.5976E+00	3.8833E+00
18.5	9.6091E-02	-4.3410E-02	8.6429E+00	3.9045E+00
18.6	9.5585E-02	-4.3189E-02	8.6882E+00	3.9256E+00
18.7	9.5084E-02	-4.2970E-02	8.7334E+00	3.9468E+00
18.8	9.4588E-02	-4.2754E-02	8.7787E+00	3.9680E+00
18.9	9.4097E-02	-4.2539E-02	8.8239E+00	3.9891E+00
19.0	9.3611E-02	-4.2327E-02	8.8692E+00	4.0103E+00
19.1	9.3131E-02	-4.2117E-02	8.9145E+00	4.0314E+00
19.2	9.2655E-02	-4.1909E-02	8.9597E+00	4.0526E+00
19.3	9.2184E-02	-4.1703E-02	9.0050E+00	4.0737E+00
19.4	9.1717E-02	-4.1499E-02	9.0503E+00	4.0949E+00
19.5	9.1256E-02	-4.1296E-02	9.0955E+00	4.1161E+00
19.6	9.0799E-02	-4.1096E-02	9.1408E+00	4.1372E+00
19.7	9.0347E-02	-4.0898E-02	9.1861E+00	4.1584E+00
19.8	8.9899E-02	-4.0702E-02	9.2313E+00	4.1795E+00
19.9	8.9455E-02	-4.0507E-02	9.2766E+00	4.2007E+00
20.0	8.9016E-02	-4.0315E-02	9.3219E+00	4.2218E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	9.9937E-01	-1.0807E-03	1.0006E+00	1.0821E-03
0.2	9.9748E-01	-4.3013E-03	1.0025E+00	4.3229E-03
0.3	9.9429E-01	-9.5967E-03	1.0056E+00	9.7063E-03
0.4	9.8975E-01	-1.6859E-02	1.0101E+00	1.7205E-02
0.5	9.8378E-01	-2.5938E-02	1.0158E+00	2.6781E-02
0.6	9.7631E-01	-3.6641E-02	1.0228E+00	3.8387E-02
0.7	9.6728E-01	-4.8740E-02	1.0312E+00	5.1962E-02
0.8	9.5662E-01	-6.1972E-02	1.0410E+00	6.7438E-02
0.9	9.4430E-01	-7.6046E-02	1.0522E+00	8.4733E-02
1.0	9.3032E-01	-9.0656E-02	1.0648E+00	1.0376E-01
1.1	9.1472E-01	-1.0549E-01	1.0789E+00	1.2442E-01
1.2	8.9757E-01	-1.2023E-01	1.0945E+00	1.4660E-01
1.3	8.7901E-01	-1.3459E-01	1.1116E+00	1.7020E-01
1.4	8.5918E-01	-1.4830E-01	1.1302E+00	1.9509E-01
1.5	8.3828E-01	-1.6114E-01	1.1504E+00	2.2114E-01
1.6	8.1653E-01	-1.7293E-01	1.1721E+00	2.4824E-01
1.7	7.9415E-01	-1.8352E-01	1.1954E+00	2.7624E-01
1.8	7.7138E-01	-1.9284E-01	1.2201E+00	3.0502E-01
1.9	7.4844E-01	-2.0085E-01	1.2464E+00	3.3446E-01
2.0	7.2555E-01	-2.0754E-01	1.2740E+00	3.6442E-01
2.1	7.0289E-01	-2.1296E-01	1.3031E+00	3.9480E-01
2.2	6.8063E-01	-2.1717E-01	1.3335E+00	4.2547E-01
2.3	6.5891E-01	-2.2026E-01	1.3651E+00	4.5634E-01
2.4	6.3782E-01	-2.2233E-01	1.3980E+00	4.8731E-01
2.5	6.1746E-01	-2.2349E-01	1.4319E+00	5.1830E-01
2.6	5.9788E-01	-2.2384E-01	1.4670E+00	5.4923E-01
2.7	5.7911E-01	-2.2350E-01	1.5029E+00	5.8003E-01
2.8	5.6117E-01	-2.2256E-01	1.5398E+00	6.1067E-01
2.9	5.4407E-01	-2.2112E-01	1.5774E+00	6.4109E-01
3.0	5.2779E-01	-2.1926E-01	1.6158E+00	6.7126E-01
3.1	5.1232E-01	-2.1707E-01	1.6548E+00	7.0116E-01
3.2	4.9762E-01	-2.1461E-01	1.6944E+00	7.3076E-01
3.3	4.8366E-01	-2.1195E-01	1.7345E+00	7.6008E-01
3.4	4.7041E-01	-2.0913E-01	1.7750E+00	7.8909E-01
3.5	4.5784E-01	-2.0619E-01	1.8159E+00	8.1780E-01
3.6	4.4589E-01	-2.0318E-01	1.8571E+00	8.4623E-01
3.7	4.3454E-01	-2.0013E-01	1.8986E+00	8.7437E-01
3.8	4.2376E-01	-1.9705E-01	1.9403E+00	9.0225E-01
3.9	4.1349E-01	-1.9398E-01	1.9822E+00	9.2989E-01
4.0	4.0372E-01	-1.9092E-01	2.0243E+00	9.5728E-01
4.1	3.9440E-01	-1.8789E-01	2.0665E+00	9.8447E-01
4.2	3.8551E-01	-1.8490E-01	2.1088E+00	1.0115E+00
4.3	3.7703E-01	-1.8197E-01	2.1512E+00	1.0383E+00
4.4	3.6892E-01	-1.7908E-01	2.1937E+00	1.0649E+00
4.5	3.6116E-01	-1.7626E-01	2.2363E+00	1.0914E+00
4.6	3.5372E-01	-1.7350E-01	2.2788E+00	1.1177E+00
4.7	3.4660E-01	-1.7080E-01	2.3215E+00	1.1440E+00
4.8	3.3976E-01	-1.6816E-01	2.3641E+00	1.1701E+00
4.9	3.3319E-01	-1.6559E-01	2.4068E+00	1.1961E+00
5.0	3.2688E-01	-1.6308E-01	2.4495E+00	1.2221E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	3.2688E-01	-1.6308E-01	2.4495E+00	1.2221E+00
5.1	3.2081E-01	-1.6064E-01	2.4922E+00	1.2480E+00
5.2	3.1496E-01	-1.5826E-01	2.5350E+00	1.2738E+00
5.3	3.0932E-01	-1.5594E-01	2.5777E+00	1.2995E+00
5.4	3.0389E-01	-1.5368E-01	2.6205E+00	1.3252E+00
5.5	2.9865E-01	-1.5148E-01	2.6633E+00	1.3509E+00
5.6	2.9358E-01	-1.4933E-01	2.7060E+00	1.3765E+00
5.7	2.8869E-01	-1.4725E-01	2.7488E+00	1.4020E+00
5.8	2.8396E-01	-1.4521E-01	2.7916E+00	1.4276E+00
5.9	2.7938E-01	-1.4322E-01	2.8344E+00	1.4531E+00
6.0	2.7495E-01	-1.4129E-01	2.8773E+00	1.4786E+00
6.1	2.7065E-01	-1.3940E-01	2.9201E+00	1.5040E+00
6.2	2.6649E-01	-1.3756E-01	2.9629E+00	1.5295E+00
6.3	2.6246E-01	-1.3577E-01	3.0058E+00	1.5549E+00
6.4	2.5854E-01	-1.3402E-01	3.0487E+00	1.5803E+00
6.5	2.5474E-01	-1.3231E-01	3.0915E+00	1.6057E+00
6.6	2.5105E-01	-1.3064E-01	3.1344E+00	1.6311E+00
6.7	2.4747E-01	-1.2902E-01	3.1773E+00	1.6564E+00
6.8	2.4399E-01	-1.2743E-01	3.2202E+00	1.6818E+00
6.9	2.4060E-01	-1.2587E-01	3.2631E+00	1.7071E+00
7.0	2.3731E-01	-1.2436E-01	3.3060E+00	1.7325E+00
7.1	2.3411E-01	-1.2287E-01	3.3490E+00	1.7578E+00
7.2	2.3099E-01	-1.2143E-01	3.3919E+00	1.7831E+00
7.3	2.2795E-01	-1.2001E-01	3.4349E+00	1.8084E+00
7.4	2.2499E-01	-1.1862E-01	3.4778E+00	1.8336E+00
7.5	2.2211E-01	-1.1727E-01	3.5208E+00	1.8589E+00
7.6	2.1930E-01	-1.1594E-01	3.5638E+00	1.8842E+00
7.7	2.1656E-01	-1.1465E-01	3.6068E+00	1.9094E+00
7.8	2.1389E-01	-1.1338E-01	3.6498E+00	1.9347E+00
7.9	2.1128E-01	-1.1214E-01	3.6928E+00	1.9599E+00
8.0	2.0874E-01	-1.1092E-01	3.7358E+00	1.9852E+00
8.1	2.0625E-01	-1.0973E-01	3.7788E+00	2.0104E+00
8.2	2.0383E-01	-1.0857E-01	3.8218E+00	2.0356E+00
8.3	2.0146E-01	-1.0742E-01	3.8649E+00	2.0608E+00
8.4	1.9915E-01	-1.0630E-01	3.9079E+00	2.0860E+00
8.5	1.9688E-01	-1.0521E-01	3.9509E+00	2.1112E+00
8.6	1.9467E-01	-1.0413E-01	3.9940E+00	2.1364E+00
8.7	1.9251E-01	-1.0308E-01	4.0371E+00	2.1616E+00
8.8	1.9040E-01	-1.0205E-01	4.0801E+00	2.1868E+00
8.9	1.8833E-01	-1.0103E-01	4.1232E+00	2.2120E+00
9.0	1.8630E-01	-1.0004E-01	4.1663E+00	2.2372E+00
9.1	1.8432E-01	-9.9066E-02	4.2093E+00	2.2624E+00
9.2	1.8238E-01	-9.8110E-02	4.2524E+00	2.2875E+00
9.3	1.8048E-01	-9.7172E-02	4.2955E+00	2.3127E+00
9.4	1.7862E-01	-9.6251E-02	4.3386E+00	2.3378E+00
9.5	1.7680E-01	-9.5347E-02	4.3817E+00	2.3630E+00
9.6	1.7502E-01	-9.4459E-02	4.4248E+00	2.3881E+00
9.7	1.7327E-01	-9.3588E-02	4.4679E+00	2.4133E+00
9.8	1.7155E-01	-9.2732E-02	4.5110E+00	2.4384E+00
9.9	1.6987E-01	-9.1892E-02	4.5542E+00	2.4636E+00
10.0	1.6822E-01	-9.1066E-02	4.5973E+00	2.4887E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.6822E-01	-9.1066E-02	4.5973E+00	2.4887E+00
10.1	1.6660E-01	-9.0255E-02	4.6404E+00	2.5138E+00
10.2	1.6502E-01	-8.9458E-02	4.6835E+00	2.5390E+00
10.3	1.6346E-01	-8.8675E-02	4.7267E+00	2.5641E+00
10.4	1.6193E-01	-8.7905E-02	4.7698E+00	2.5892E+00
10.5	1.6044E-01	-8.7148E-02	4.8129E+00	2.6144E+00
10.6	1.5896E-01	-8.6404E-02	4.8561E+00	2.6395E+00
10.7	1.5752E-01	-8.5672E-02	4.8992E+00	2.6646E+00
10.8	1.5610E-01	-8.4952E-02	4.9424E+00	2.6897E+00
10.9	1.5471E-01	-8.4244E-02	4.9855E+00	2.7148E+00
11.0	1.5334E-01	-8.3548E-02	5.0287E+00	2.7399E+00
11.1	1.5199E-01	-8.2863E-02	5.0718E+00	2.7650E+00
11.2	1.5067E-01	-8.2189E-02	5.1150E+00	2.7901E+00
11.3	1.4937E-01	-8.1526E-02	5.1581E+00	2.8152E+00
11.4	1.4810E-01	-8.0873E-02	5.2013E+00	2.8403E+00
11.5	1.4684E-01	-8.0230E-02	5.2445E+00	2.8654E+00
11.6	1.4561E-01	-7.9598E-02	5.2876E+00	2.8905E+00
11.7	1.4439E-01	-7.8975E-02	5.3308E+00	2.9156E+00
11.8	1.4320E-01	-7.8362E-02	5.3740E+00	2.9407E+00
11.9	1.4203E-01	-7.7758E-02	5.4171E+00	2.9658E+00
12.0	1.4087E-01	-7.7163E-02	5.4603E+00	2.9909E+00
12.1	1.3974E-01	-7.6578E-02	5.5035E+00	3.0160E+00
12.2	1.3862E-01	-7.6001E-02	5.5467E+00	3.0411E+00
12.3	1.3752E-01	-7.5432E-02	5.5899E+00	3.0662E+00
12.4	1.3644E-01	-7.4872E-02	5.6331E+00	3.0912E+00
12.5	1.3537E-01	-7.4320E-02	5.6762E+00	3.1163E+00
12.6	1.3432E-01	-7.3776E-02	5.7194E+00	3.1414E+00
12.7	1.3329E-01	-7.3240E-02	5.7626E+00	3.1665E+00
12.8	1.3227E-01	-7.2711E-02	5.8058E+00	3.1916E+00
12.9	1.3127E-01	-7.2190E-02	5.8490E+00	3.2166E+00
13.0	1.3028E-01	-7.1677E-02	5.8922E+00	3.2417E+00
13.1	1.2931E-01	-7.1170E-02	5.9354E+00	3.2668E+00
13.2	1.2835E-01	-7.0671E-02	5.9786E+00	3.2918E+00
13.3	1.2741E-01	-7.0178E-02	6.0218E+00	3.3169E+00
13.4	1.2648E-01	-6.9693E-02	6.0650E+00	3.3420E+00
13.5	1.2556E-01	-6.9214E-02	6.1082E+00	3.3671E+00
13.6	1.2466E-01	-6.8741E-02	6.1514E+00	3.3921E+00
13.7	1.2377E-01	-6.8275E-02	6.1946E+00	3.4172E+00
13.8	1.2289E-01	-6.7815E-02	6.2378E+00	3.4422E+00
13.9	1.2202E-01	-6.7361E-02	6.2810E+00	3.4673E+00
14.0	1.2117E-01	-6.6913E-02	6.3242E+00	3.4924E+00
14.1	1.2033E-01	-6.6471E-02	6.3675E+00	3.5174E+00
14.2	1.1950E-01	-6.6035E-02	6.4107E+00	3.5425E+00
14.3	1.1868E-01	-6.5604E-02	6.4539E+00	3.5676E+00
14.4	1.1787E-01	-6.5179E-02	6.4971E+00	3.5926E+00
14.5	1.1708E-01	-6.4759E-02	6.5403E+00	3.6177E+00
14.6	1.1629E-01	-6.4345E-02	6.5835E+00	3.6427E+00
14.7	1.1552E-01	-6.3936E-02	6.6268E+00	3.6678E+00
14.8	1.1475E-01	-6.3532E-02	6.6700E+00	3.6928E+00
14.9	1.1400E-01	-6.3133E-02	6.7132E+00	3.7179E+00
15.0	1.1325E-01	-6.2739E-02	6.7564E+00	3.7429E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	1.1325E-01	-6.2739E-02	6.7564E+00	3.7429E+00
15.1	1.1252E-01	-6.2350E-02	6.7997E+00	3.7680E+00
15.2	1.1179E-01	-6.1966E-02	6.8429E+00	3.7931E+00
15.3	1.1107E-01	-6.1586E-02	6.8861E+00	3.8181E+00
15.4	1.1037E-01	-6.1211E-02	6.9293E+00	3.8432E+00
15.5	1.0967E-01	-6.0840E-02	6.9726E+00	3.8682E+00
15.6	1.0898E-01	-6.0474E-02	7.0158E+00	3.8933E+00
15.7	1.0830E-01	-6.0112E-02	7.0590E+00	3.9183E+00
15.8	1.0762E-01	-5.9755E-02	7.1022E+00	3.9433E+00
15.9	1.0696E-01	-5.9402E-02	7.1455E+00	3.9684E+00
16.0	1.0630E-01	-5.9053E-02	7.1887E+00	3.9934E+00
16.1	1.0565E-01	-5.8707E-02	7.2319E+00	4.0185E+00
16.2	1.0501E-01	-5.8366E-02	7.2752E+00	4.0435E+00
16.3	1.0438E-01	-5.8029E-02	7.3184E+00	4.0686E+00
16.4	1.0376E-01	-5.7696E-02	7.3617E+00	4.0936E+00
16.5	1.0314E-01	-5.7366E-02	7.4049E+00	4.1187E+00
16.6	1.0253E-01	-5.7041E-02	7.4481E+00	4.1437E+00
16.7	1.0192E-01	-5.6718E-02	7.4914E+00	4.1687E+00
16.8	1.0133E-01	-5.6400E-02	7.5346E+00	4.1938E+00
16.9	1.0074E-01	-5.6085E-02	7.5778E+00	4.2188E+00
17.0	1.0016E-01	-5.5773E-02	7.6211E+00	4.2439E+00
17.1	9.9581E-02	-5.5465E-02	7.6643E+00	4.2689E+00
17.2	9.9012E-02	-5.5160E-02	7.7076E+00	4.2939E+00
17.3	9.8450E-02	-5.4859E-02	7.7508E+00	4.3190E+00
17.4	9.7893E-02	-5.4561E-02	7.7941E+00	4.3440E+00
17.5	9.7343E-02	-5.4266E-02	7.8373E+00	4.3691E+00
17.6	9.6799E-02	-5.3974E-02	7.8805E+00	4.3941E+00
17.7	9.6262E-02	-5.3685E-02	7.9238E+00	4.4191E+00
17.8	9.5730E-02	-5.3400E-02	7.9670E+00	4.4442E+00
17.9	9.5204E-02	-5.3117E-02	8.0103E+00	4.4692E+00
18.0	9.4683E-02	-5.2838E-02	8.0535E+00	4.4942E+00
18.1	9.4169E-02	-5.2561E-02	8.0968E+00	4.5193E+00
18.2	9.3659E-02	-5.2287E-02	8.1400E+00	4.5443E+00
18.3	9.3156E-02	-5.2016E-02	8.1833E+00	4.5693E+00
18.4	9.2658E-02	-5.1748E-02	8.2265E+00	4.5944E+00
18.5	9.2165E-02	-5.1482E-02	8.2698E+00	4.6194E+00
18.6	9.1677E-02	-5.1219E-02	8.3130E+00	4.6444E+00
18.7	9.1194E-02	-5.0959E-02	8.3563E+00	4.6695E+00
18.8	9.0717E-02	-5.0702E-02	8.3995E+00	4.6945E+00
18.9	9.0244E-02	-5.0447E-02	8.4428E+00	4.7195E+00
19.0	8.9777E-02	-5.0194E-02	8.4860E+00	4.7446E+00
19.1	8.9314E-02	-4.9945E-02	8.5293E+00	4.7696E+00
19.2	8.8856E-02	-4.9697E-02	8.5726E+00	4.7946E+00
19.3	8.8402E-02	-4.9452E-02	8.6158E+00	4.8197E+00
19.4	8.7953E-02	-4.9209E-02	8.6591E+00	4.8447E+00
19.5	8.7509E-02	-4.8969E-02	8.7023E+00	4.8697E+00
19.6	8.7069E-02	-4.8731E-02	8.7456E+00	4.8948E+00
19.7	8.6634E-02	-4.8496E-02	8.7888E+00	4.9198E+00
19.8	8.6203E-02	-4.8262E-02	8.8321E+00	4.9448E+00
19.9	8.5776E-02	-4.8031E-02	8.8753E+00	4.9698E+00
20.0	8.5353E-02	-4.7802E-02	8.9186E+00	4.9949E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	9.9957E-01	-1.1733E-03	1.0004E+00	1.1743E-03
0.2	9.9826E-01	-4.6769E-03	1.0017E+00	4.6931E-03
0.3	9.9603E-01	-1.0462E-02	1.0039E+00	1.0544E-02
0.4	9.9276E-01	-1.8444E-02	1.0069E+00	1.8707E-02
0.5	9.8836E-01	-2.8503E-02	1.0109E+00	2.9154E-02
0.6	9.8269E-01	-4.0477E-02	1.0159E+00	4.1845E-02
0.7	9.7559E-01	-5.4165E-02	1.0219E+00	5.6734E-02
0.8	9.6692E-01	-6.9320E-02	1.0289E+00	7.3765E-02
0.9	9.5656E-01	-8.5658E-02	1.0371E+00	9.2870E-02
1.0	9.4440E-01	-1.0286E-01	1.0465E+00	1.1397E-01
1.1	9.3039E-01	-1.2057E-01	1.0571E+00	1.3698E-01
1.2	9.1451E-01	-1.3842E-01	1.0690E+00	1.6181E-01
1.3	8.9682E-01	-1.5606E-01	1.0823E+00	1.8833E-01
1.4	8.7743E-01	-1.7312E-01	1.0970E+00	2.1644E-01
1.5	8.5651E-01	-1.8929E-01	1.1132E+00	2.4601E-01
1.6	8.3427E-01	-2.0428E-01	1.1308E+00	2.7690E-01
1.7	8.1098E-01	-2.1787E-01	1.1501E+00	3.0897E-01
1.8	7.8691E-01	-2.2991E-01	1.1708E+00	3.4208E-01
1.9	7.6236E-01	-2.4029E-01	1.1932E+00	3.7607E-01
2.0	7.3761E-01	-2.4897E-01	1.2171E+00	4.1081E-01
2.1	7.1292E-01	-2.5598E-01	1.2425E+00	4.4613E-01
2.2	6.8854E-01	-2.6139E-01	1.2694E+00	4.8191E-01
2.3	6.6467E-01	-2.6530E-01	1.2978E+00	5.1799E-01
2.4	6.4147E-01	-2.6783E-01	1.3275E+00	5.5426E-01
2.5	6.1908E-01	-2.6913E-01	1.3586E+00	5.9060E-01
2.6	5.9758E-01	-2.6935E-01	1.3909E+00	6.2689E-01
2.7	5.7705E-01	-2.6864E-01	1.4243E+00	6.6305E-01
2.8	5.5750E-01	-2.6714E-01	1.4588E+00	6.9900E-01
2.9	5.3896E-01	-2.6499E-01	1.4942E+00	7.3467E-01
3.0	5.2140E-01	-2.6232E-01	1.5305E+00	7.7000E-01
3.1	5.0481E-01	-2.5923E-01	1.5676E+00	8.0496E-01
3.2	4.8915E-01	-2.5581E-01	1.6053E+00	8.3953E-01
3.3	4.7438E-01	-2.5216E-01	1.6436E+00	8.7368E-01
3.4	4.6044E-01	-2.4833E-01	1.6824E+00	9.0740E-01
3.5	4.4729E-01	-2.4440E-01	1.7217E+00	9.4071E-01
3.6	4.3488E-01	-2.4040E-01	1.7613E+00	9.7361E-01
3.7	4.2316E-01	-2.3638E-01	1.8011E+00	1.0061E+00
3.8	4.1208E-01	-2.3237E-01	1.8412E+00	1.0383E+00
3.9	4.0160E-01	-2.2839E-01	1.8815E+00	1.0700E+00
4.0	3.9166E-01	-2.2447E-01	1.9219E+00	1.1015E+00
4.1	3.8223E-01	-2.2061E-01	1.9625E+00	1.1327E+00
4.2	3.7328E-01	-2.1684E-01	2.0031E+00	1.1636E+00
4.3	3.6476E-01	-2.1315E-01	2.0437E+00	1.1942E+00
4.4	3.5664E-01	-2.0955E-01	2.0844E+00	1.2247E+00
4.5	3.4890E-01	-2.0604E-01	2.1251E+00	1.2549E+00
4.6	3.4151E-01	-2.0263E-01	2.1657E+00	1.2850E+00
4.7	3.3444E-01	-1.9931E-01	2.2064E+00	1.3149E+00
4.8	3.2767E-01	-1.9609E-01	2.2471E+00	1.3447E+00
4.9	3.2118E-01	-1.9296E-01	2.2878E+00	1.3744E+00
5.0	3.1496E-01	-1.8992E-01	2.3284E+00	1.4040E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	3.1496E-01	-1.8992E-01	2.3284E+00	1.4040E+00
5.1	3.0898E-01	-1.8697E-01	2.3690E+00	1.4335E+00
5.2	3.0323E-01	-1.8410E-01	2.4096E+00	1.4630E+00
5.3	2.9769E-01	-1.8132E-01	2.4502E+00	1.4924E+00
5.4	2.9236E-01	-1.7861E-01	2.4908E+00	1.5217E+00
5.5	2.8722E-01	-1.7598E-01	2.5314E+00	1.5510E+00
5.6	2.8226E-01	-1.7342E-01	2.5719E+00	1.5803E+00
5.7	2.7746E-01	-1.7094E-01	2.6125E+00	1.6095E+00
5.8	2.7284E-01	-1.6852E-01	2.6531E+00	1.6387E+00
5.9	2.6836E-01	-1.6617E-01	2.6936E+00	1.6679E+00
6.0	2.6403E-01	-1.6388E-01	2.7342E+00	1.6970E+00
6.1	2.5984E-01	-1.6165E-01	2.7747E+00	1.7262E+00
6.2	2.5578E-01	-1.5947E-01	2.8153E+00	1.7553E+00
6.3	2.5184E-01	-1.5736E-01	2.8558E+00	1.7844E+00
6.4	2.4803E-01	-1.5529E-01	2.8964E+00	1.8135E+00
6.5	2.4432E-01	-1.5328E-01	2.9370E+00	1.8426E+00
6.6	2.4073E-01	-1.5132E-01	2.9776E+00	1.8716E+00
6.7	2.3724E-01	-1.4940E-01	3.0181E+00	1.9007E+00
6.8	2.3385E-01	-1.4754E-01	3.0587E+00	1.9297E+00
6.9	2.3056E-01	-1.4571E-01	3.0994E+00	1.9588E+00
7.0	2.2736E-01	-1.4393E-01	3.1400E+00	1.9878E+00
7.1	2.2424E-01	-1.4219E-01	3.1806E+00	2.0168E+00
7.2	2.2121E-01	-1.4049E-01	3.2212E+00	2.0458E+00
7.3	2.1826E-01	-1.3883E-01	3.2619E+00	2.0748E+00
7.4	2.1539E-01	-1.3721E-01	3.3025E+00	2.1038E+00
7.5	2.1259E-01	-1.3563E-01	3.3432E+00	2.1328E+00
7.6	2.0987E-01	-1.3407E-01	3.3838E+00	2.1618E+00
7.7	2.0721E-01	-1.3256E-01	3.4245E+00	2.1907E+00
7.8	2.0462E-01	-1.3107E-01	3.4652E+00	2.2197E+00
7.9	2.0210E-01	-1.2962E-01	3.5059E+00	2.2486E+00
8.0	1.9963E-01	-1.2820E-01	3.5466E+00	2.2776E+00
8.1	1.9723E-01	-1.2681E-01	3.5873E+00	2.3065E+00
8.2	1.9488E-01	-1.2545E-01	3.6280E+00	2.3354E+00
8.3	1.9259E-01	-1.2412E-01	3.6687E+00	2.3644E+00
8.4	1.9035E-01	-1.2281E-01	3.7094E+00	2.3933E+00
8.5	1.8816E-01	-1.2153E-01	3.7502E+00	2.4222E+00
8.6	1.8602E-01	-1.2028E-01	3.7909E+00	2.4511E+00
8.7	1.8393E-01	-1.1905E-01	3.8316E+00	2.4800E+00
8.8	1.8189E-01	-1.1784E-01	3.8724E+00	2.5088E+00
8.9	1.7989E-01	-1.1666E-01	3.9131E+00	2.5377E+00
9.0	1.7794E-01	-1.1551E-01	3.9539E+00	2.5666E+00
9.1	1.7602E-01	-1.1437E-01	3.9946E+00	2.5955E+00
9.2	1.7415E-01	-1.1326E-01	4.0354E+00	2.6243E+00
9.3	1.7232E-01	-1.1216E-01	4.0762E+00	2.6532E+00
9.4	1.7053E-01	-1.1109E-01	4.1169E+00	2.6821E+00
9.5	1.6877E-01	-1.1004E-01	4.1577E+00	2.7109E+00
9.6	1.6705E-01	-1.0901E-01	4.1985E+00	2.7398E+00
9.7	1.6536E-01	-1.0799E-01	4.2393E+00	2.7686E+00
9.8	1.6371E-01	-1.0700E-01	4.2801E+00	2.7974E+00
9.9	1.6209E-01	-1.0602E-01	4.3209E+00	2.8263E+00
10.0	1.6050E-01	-1.0506E-01	4.3617E+00	2.8551E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.6050E-01	-1.0506E-01	4.3617E+00	2.8551E+00
10.1	1.5894E-01	-1.0412E-01	4.4024E+00	2.8839E+00
10.2	1.5741E-01	-1.0319E-01	4.4432E+00	2.9128E+00
10.3	1.5591E-01	-1.0228E-01	4.4841E+00	2.9416E+00
10.4	1.5444E-01	-1.0139E-01	4.5249E+00	2.9704E+00
10.5	1.5300E-01	-1.0051E-01	4.5657E+00	2.9992E+00
10.6	1.5159E-01	-9.9643E-02	4.6065E+00	3.0280E+00
10.7	1.5020E-01	-9.8794E-02	4.6473E+00	3.0568E+00
10.8	1.4883E-01	-9.7958E-02	4.6881E+00	3.0856E+00
10.9	1.4749E-01	-9.7136E-02	4.7289E+00	3.1144E+00
11.0	1.4617E-01	-9.6328E-02	4.7698E+00	3.1432E+00
11.1	1.4488E-01	-9.5533E-02	4.8106E+00	3.1720E+00
11.2	1.4361E-01	-9.4751E-02	4.8514E+00	3.2008E+00
11.3	1.4236E-01	-9.3982E-02	4.8922E+00	3.2296E+00
11.4	1.4114E-01	-9.3224E-02	4.9331E+00	3.2584E+00
11.5	1.3993E-01	-9.2479E-02	4.9739E+00	3.2872E+00
11.6	1.3875E-01	-9.1746E-02	5.0147E+00	3.3160E+00
11.7	1.3758E-01	-9.1023E-02	5.0556E+00	3.3448E+00
11.8	1.3643E-01	-9.0312E-02	5.0964E+00	3.3736E+00
11.9	1.3531E-01	-8.9612E-02	5.1373E+00	3.4023E+00
12.0	1.3420E-01	-8.8923E-02	5.1781E+00	3.4311E+00
12.1	1.3311E-01	-8.8244E-02	5.2189E+00	3.4599E+00
12.2	1.3204E-01	-8.7575E-02	5.2598E+00	3.4887E+00
12.3	1.3098E-01	-8.6917E-02	5.3006E+00	3.5174E+00
12.4	1.2994E-01	-8.6268E-02	5.3415E+00	3.5462E+00
12.5	1.2892E-01	-8.5628E-02	5.3823E+00	3.5750E+00
12.6	1.2791E-01	-8.4998E-02	5.4232E+00	3.6038E+00
12.7	1.2692E-01	-8.4377E-02	5.4641E+00	3.6325E+00
12.8	1.2594E-01	-8.3765E-02	5.5049E+00	3.6613E+00
12.9	1.2498E-01	-8.3161E-02	5.5458E+00	3.6901E+00
13.0	1.2404E-01	-8.2567E-02	5.5866E+00	3.7188E+00
13.1	1.2310E-01	-8.1980E-02	5.6275E+00	3.7476E+00
13.2	1.2219E-01	-8.1402E-02	5.6684E+00	3.7763E+00
13.3	1.2128E-01	-8.0832E-02	5.7092E+00	3.8051E+00
13.4	1.2039E-01	-8.0270E-02	5.7501E+00	3.8338E+00
13.5	1.1951E-01	-7.9715E-02	5.7910E+00	3.8626E+00
13.6	1.1865E-01	-7.9168E-02	5.8318E+00	3.8914E+00
13.7	1.1779E-01	-7.8629E-02	5.8727E+00	3.9201E+00
13.8	1.1695E-01	-7.8096E-02	5.9136E+00	3.9489E+00
13.9	1.1612E-01	-7.7571E-02	5.9545E+00	3.9776E+00
14.0	1.1531E-01	-7.7053E-02	5.9953E+00	4.0064E+00
14.1	1.1450E-01	-7.6542E-02	6.0362E+00	4.0351E+00
14.2	1.1371E-01	-7.6037E-02	6.0771E+00	4.0639E+00
14.3	1.1292E-01	-7.5539E-02	6.1180E+00	4.0926E+00
14.4	1.1215E-01	-7.5047E-02	6.1588E+00	4.1213E+00
14.5	1.1139E-01	-7.4562E-02	6.1997E+00	4.1501E+00
14.6	1.1063E-01	-7.4083E-02	6.2406E+00	4.1788E+00
14.7	1.0989E-01	-7.3610E-02	6.2815E+00	4.2076E+00
14.8	1.0916E-01	-7.3142E-02	6.3224E+00	4.2363E+00
14.9	1.0844E-01	-7.2681E-02	6.3633E+00	4.2651E+00
15.0	1.0772E-01	-7.2226E-02	6.4041E+00	4.2938E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	1.0772E-01	-7.2226E-02	6.4041E+00	4.2938E+00
15.1	1.0702E-01	-7.1776E-02	6.4450E+00	4.3225E+00
15.2	1.0633E-01	-7.1332E-02	6.4859E+00	4.3513E+00
15.3	1.0564E-01	-7.0893E-02	6.5268E+00	4.3800E+00
15.4	1.0496E-01	-7.0459E-02	6.5677E+00	4.4087E+00
15.5	1.0429E-01	-7.0031E-02	6.6086E+00	4.4375E+00
15.6	1.0363E-01	-6.9608E-02	6.6495E+00	4.4662E+00
15.7	1.0298E-01	-6.9190E-02	6.6904E+00	4.4949E+00
15.8	1.0234E-01	-6.8777E-02	6.7313E+00	4.5237E+00
15.9	1.0170E-01	-6.8368E-02	6.7722E+00	4.5524E+00
16.0	1.0108E-01	-6.7965E-02	6.8130E+00	4.5811E+00
16.1	1.0046E-01	-6.7566E-02	6.8539E+00	4.6099E+00
16.2	9.9845E-02	-6.7172E-02	6.8948E+00	4.6386E+00
16.3	9.9240E-02	-6.6783E-02	6.9357E+00	4.6673E+00
16.4	9.8643E-02	-6.6398E-02	6.9766E+00	4.6961E+00
16.5	9.8052E-02	-6.6017E-02	7.0175E+00	4.7248E+00
16.6	9.7469E-02	-6.5641E-02	7.0584E+00	4.7535E+00
16.7	9.6892E-02	-6.5268E-02	7.0993E+00	4.7822E+00
16.8	9.6323E-02	-6.4901E-02	7.1402E+00	4.8110E+00
16.9	9.5760E-02	-6.4537E-02	7.1811E+00	4.8397E+00
17.0	9.5203E-02	-6.4177E-02	7.2220E+00	4.8684E+00
17.1	9.4653E-02	-6.3821E-02	7.2629E+00	4.8971E+00
17.2	9.4109E-02	-6.3469E-02	7.3038E+00	4.9259E+00
17.3	9.3572E-02	-6.3121E-02	7.3447E+00	4.9546E+00
17.4	9.3040E-02	-6.2777E-02	7.3856E+00	4.9833E+00
17.5	9.2515E-02	-6.2436E-02	7.4266E+00	5.0120E+00
17.6	9.1995E-02	-6.2100E-02	7.4675E+00	5.0407E+00
17.7	9.1482E-02	-6.1766E-02	7.5084E+00	5.0695E+00
17.8	9.0974E-02	-6.1437E-02	7.5493E+00	5.0982E+00
17.9	9.0471E-02	-6.1110E-02	7.5902E+00	5.1269E+00
18.0	8.9974E-02	-6.0787E-02	7.6311E+00	5.1556E+00
18.1	8.9483E-02	-6.0468E-02	7.6720E+00	5.1843E+00
18.2	8.8997E-02	-6.0152E-02	7.7129E+00	5.2131E+00
18.3	8.8516E-02	-5.9839E-02	7.7538E+00	5.2418E+00
18.4	8.8040E-02	-5.9530E-02	7.7947E+00	5.2705E+00
18.5	8.7570E-02	-5.9223E-02	7.8356E+00	5.2992E+00
18.6	8.7104E-02	-5.8920E-02	7.8765E+00	5.3279E+00
18.7	8.6643E-02	-5.8620E-02	7.9175E+00	5.3566E+00
18.8	8.6188E-02	-5.8322E-02	7.9584E+00	5.3854E+00
18.9	8.5737E-02	-5.8028E-02	7.9993E+00	5.4141E+00
19.0	8.5290E-02	-5.7737E-02	8.0402E+00	5.4428E+00
19.1	8.4848E-02	-5.7449E-02	8.0811E+00	5.4715E+00
19.2	8.4411E-02	-5.7163E-02	8.1220E+00	5.5002E+00
19.3	8.3979E-02	-5.6880E-02	8.1629E+00	5.5289E+00
19.4	8.3550E-02	-5.6601E-02	8.2039E+00	5.5576E+00
19.5	8.3126E-02	-5.6323E-02	8.2448E+00	5.5864E+00
19.6	8.2707E-02	-5.6049E-02	8.2857E+00	5.6151E+00
19.7	8.2291E-02	-5.5777E-02	8.3266E+00	5.6438E+00
19.8	8.1880E-02	-5.5508E-02	8.3675E+00	5.6725E+00
19.9	8.1473E-02	-5.5241E-02	8.4084E+00	5.7012E+00
20.0	8.1070E-02	-5.4977E-02	8.4493E+00	5.7299E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	9.9978E-01	-1.2303E-03	1.0002E+00	1.2308E-03
0.2	9.9910E-01	-4.9124E-03	1.0009E+00	4.9212E-03
0.3	9.9789E-01	-1.1019E-02	1.0020E+00	1.1064E-02
0.4	9.9603E-01	-1.9501E-02	1.0036E+00	1.9649E-02
0.5	9.9338E-01	-3.0283E-02	1.0057E+00	3.0660E-02
0.6	9.8974E-01	-4.3255E-02	1.0084E+00	4.4073E-02
0.7	9.8490E-01	-5.8268E-02	1.0118E+00	5.9859E-02
0.8	9.7863E-01	-7.5126E-02	1.0159E+00	7.7984E-02
0.9	9.7070E-01	-9.3579E-02	1.0207E+00	9.8400E-02
1.0	9.6089E-01	-1.1332E-01	1.0264E+00	1.2105E-01
1.1	9.4903E-01	-1.3400E-01	1.0331E+00	1.4588E-01
1.2	9.3498E-01	-1.5522E-01	1.0409E+00	1.7279E-01
1.3	9.1868E-01	-1.7653E-01	1.0498E+00	2.0172E-01
1.4	9.0015E-01	-1.9749E-01	1.0599E+00	2.3254E-01
1.5	8.7949E-01	-2.1765E-01	1.0714E+00	2.6515E-01
1.6	8.5689E-01	-2.3661E-01	1.0843E+00	2.9941E-01
1.7	8.3263E-01	-2.5400E-01	1.0988E+00	3.3519E-01
1.8	8.0702E-01	-2.6954E-01	1.1148E+00	3.7233E-01
1.9	7.8043E-01	-2.8302E-01	1.1324E+00	4.1067E-01
2.0	7.5326E-01	-2.9434E-01	1.1517E+00	4.5003E-01
2.1	7.2587E-01	-3.0345E-01	1.1727E+00	4.9025E-01
2.2	6.9862E-01	-3.1042E-01	1.1954E+00	5.3115E-01
2.3	6.7183E-01	-3.1536E-01	1.2197E+00	5.7254E-01
2.4	6.4574E-01	-3.1842E-01	1.2457E+00	6.1427E-01
2.5	6.2058E-01	-3.1981E-01	1.2733E+00	6.5616E-01
2.6	5.9649E-01	-3.1973E-01	1.3023E+00	6.9806E-01
2.7	5.7357E-01	-3.1840E-01	1.3328E+00	7.3984E-01
2.8	5.5189E-01	-3.1602E-01	1.3645E+00	7.8137E-01
2.9	5.3145E-01	-3.1280E-01	1.3975E+00	8.2254E-01
3.0	5.1226E-01	-3.0891E-01	1.4316E+00	8.6328E-01
3.1	4.9427E-01	-3.0451E-01	1.4666E+00	9.0352E-01
3.2	4.7744E-01	-2.9973E-01	1.5024E+00	9.4319E-01
3.3	4.6170E-01	-2.9470E-01	1.5389E+00	9.8228E-01
3.4	4.4699E-01	-2.8950E-01	1.5761E+00	1.0208E+00
3.5	4.3323E-01	-2.8422E-01	1.6137E+00	1.0587E+00
3.6	4.2036E-01	-2.7892E-01	1.6517E+00	1.0960E+00
3.7	4.0830E-01	-2.7365E-01	1.6900E+00	1.1327E+00
3.8	3.9698E-01	-2.6845E-01	1.7286E+00	1.1689E+00
3.9	3.8635E-01	-2.6334E-01	1.7673E+00	1.2046E+00
4.0	3.7634E-01	-2.5835E-01	1.8060E+00	1.2399E+00
4.1	3.6689E-01	-2.5350E-01	1.8449E+00	1.2747E+00
4.2	3.5797E-01	-2.4879E-01	1.8837E+00	1.3091E+00
4.3	3.4952E-01	-2.4422E-01	1.9225E+00	1.3433E+00
4.4	3.4150E-01	-2.3980E-01	1.9612E+00	1.3771E+00
4.5	3.3389E-01	-2.3552E-01	1.9999E+00	1.4107E+00
4.6	3.2663E-01	-2.3139E-01	2.0385E+00	1.4441E+00
4.7	3.1971E-01	-2.2740E-01	2.0770E+00	1.4774E+00
4.8	3.1309E-01	-2.2355E-01	2.1155E+00	1.5104E+00
4.9	3.0677E-01	-2.1982E-01	2.1539E+00	1.5434E+00
5.0	3.0070E-01	-2.1622E-01	2.1922E+00	1.5763E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	3.0070E-01	-2.1622E-01	2.1922E+00	1.5763E+00
5.1	2.9488E-01	-2.1273E-01	2.2304E+00	1.6090E+00
5.2	2.8929E-01	-2.0936E-01	2.2685E+00	1.6418E+00
5.3	2.8392E-01	-2.0610E-01	2.3067E+00	1.6744E+00
5.4	2.7874E-01	-2.0294E-01	2.3447E+00	1.7071E+00
5.5	2.7375E-01	-1.9987E-01	2.3827E+00	1.7397E+00
5.6	2.6894E-01	-1.9690E-01	2.4207E+00	1.7723E+00
5.7	2.6430E-01	-1.9402E-01	2.4587E+00	1.8049E+00
5.8	2.5981E-01	-1.9121E-01	2.4966E+00	1.8375E+00
5.9	2.5547E-01	-1.8849E-01	2.5346E+00	1.8701E+00
6.0	2.5128E-01	-1.8585E-01	2.5725E+00	1.9026E+00
6.1	2.4722E-01	-1.8327E-01	2.6104E+00	1.9352E+00
6.2	2.4329E-01	-1.8077E-01	2.6483E+00	1.9677E+00
6.3	2.3948E-01	-1.7833E-01	2.6862E+00	2.0003E+00
6.4	2.3579E-01	-1.7595E-01	2.7242E+00	2.0329E+00
6.5	2.3221E-01	-1.7363E-01	2.7621E+00	2.0654E+00
6.6	2.2873E-01	-1.7138E-01	2.8000E+00	2.0979E+00
6.7	2.2536E-01	-1.6918E-01	2.8380E+00	2.1305E+00
6.8	2.2209E-01	-1.6703E-01	2.8760E+00	2.1630E+00
6.9	2.1891E-01	-1.6494E-01	2.9139E+00	2.1955E+00
7.0	2.1581E-01	-1.6289E-01	2.9519E+00	2.2281E+00
7.1	2.1281E-01	-1.6090E-01	2.9899E+00	2.2606E+00
7.2	2.0989E-01	-1.5895E-01	3.0279E+00	2.2931E+00
7.3	2.0704E-01	-1.5705E-01	3.0659E+00	2.3256E+00
7.4	2.0428E-01	-1.5519E-01	3.1039E+00	2.3580E+00
7.5	2.0158E-01	-1.5337E-01	3.1420E+00	2.3905E+00
7.6	1.9896E-01	-1.5159E-01	3.1800E+00	2.4230E+00
7.7	1.9640E-01	-1.4986E-01	3.2181E+00	2.4554E+00
7.8	1.9391E-01	-1.4816E-01	3.2561E+00	2.4879E+00
7.9	1.9148E-01	-1.4650E-01	3.2942E+00	2.5203E+00
8.0	1.8911E-01	-1.4487E-01	3.3323E+00	2.5527E+00
8.1	1.8680E-01	-1.4328E-01	3.3703E+00	2.5851E+00
8.2	1.8455E-01	-1.4173E-01	3.4084E+00	2.6176E+00
8.3	1.8235E-01	-1.4020E-01	3.4465E+00	2.6500E+00
8.4	1.8020E-01	-1.3871E-01	3.4846E+00	2.6824E+00
8.5	1.7810E-01	-1.3725E-01	3.5227E+00	2.7147E+00
8.6	1.7605E-01	-1.3582E-01	3.5608E+00	2.7471E+00
8.7	1.7405E-01	-1.3442E-01	3.5989E+00	2.7795E+00
8.8	1.7209E-01	-1.3304E-01	3.6371E+00	2.8119E+00
8.9	1.7017E-01	-1.3170E-01	3.6752E+00	2.8442E+00
9.0	1.6830E-01	-1.3038E-01	3.7133E+00	2.8766E+00
9.1	1.6647E-01	-1.2908E-01	3.7514E+00	2.9089E+00
9.2	1.6468E-01	-1.2782E-01	3.7896E+00	2.9413E+00
9.3	1.6293E-01	-1.2657E-01	3.8277E+00	2.9736E+00
9.4	1.6121E-01	-1.2535E-01	3.8658E+00	3.0059E+00
9.5	1.5953E-01	-1.2415E-01	3.9040E+00	3.0383E+00
9.6	1.5788E-01	-1.2298E-01	3.9421E+00	3.0706E+00
9.7	1.5627E-01	-1.2182E-01	3.9803E+00	3.1029E+00
9.8	1.5469E-01	-1.2069E-01	4.0184E+00	3.1352E+00
9.9	1.5314E-01	-1.1958E-01	4.0566E+00	3.1675E+00
10.0	1.5162E-01	-1.1849E-01	4.0947E+00	3.1998E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.5162E-01	-1.1849E-01	4.0947E+00	3.1998E+00
10.1	1.5014E-01	-1.1741E-01	4.1329E+00	3.2321E+00
10.2	1.4868E-01	-1.1636E-01	4.1711E+00	3.2644E+00
10.3	1.4725E-01	-1.1533E-01	4.2092E+00	3.2967E+00
10.4	1.4585E-01	-1.1431E-01	4.2474E+00	3.3290E+00
10.5	1.4447E-01	-1.1331E-01	4.2856E+00	3.3613E+00
10.6	1.4312E-01	-1.1233E-01	4.3237E+00	3.3936E+00
10.7	1.4179E-01	-1.1136E-01	4.3619E+00	3.4259E+00
10.8	1.4049E-01	-1.1041E-01	4.4001E+00	3.4581E+00
10.9	1.3921E-01	-1.0948E-01	4.4383E+00	3.4904E+00
11.0	1.3796E-01	-1.0856E-01	4.4764E+00	3.5227E+00
11.1	1.3673E-01	-1.0766E-01	4.5146E+00	3.5550E+00
11.2	1.3552E-01	-1.0677E-01	4.5528E+00	3.5872E+00
11.3	1.3433E-01	-1.0590E-01	4.5910E+00	3.6195E+00
11.4	1.3316E-01	-1.0504E-01	4.6292E+00	3.6517E+00
11.5	1.3201E-01	-1.0420E-01	4.6674E+00	3.6840E+00
11.6	1.3088E-01	-1.0336E-01	4.7056E+00	3.7163E+00
11.7	1.2977E-01	-1.0255E-01	4.7438E+00	3.7485E+00
11.8	1.2868E-01	-1.0174E-01	4.7820E+00	3.7808E+00
11.9	1.2761E-01	-1.0095E-01	4.8202E+00	3.8130E+00
12.0	1.2655E-01	-1.0016E-01	4.8584E+00	3.8453E+00
12.1	1.2552E-01	-9.9394E-02	4.8966E+00	3.8775E+00
12.2	1.2450E-01	-9.8636E-02	4.9348E+00	3.9098E+00
12.3	1.2349E-01	-9.7890E-02	4.9730E+00	3.9420E+00
12.4	1.2250E-01	-9.7154E-02	5.0112E+00	3.9742E+00
12.5	1.2153E-01	-9.6430E-02	5.0494E+00	4.0065E+00
12.6	1.2057E-01	-9.5716E-02	5.0876E+00	4.0387E+00
12.7	1.1963E-01	-9.5012E-02	5.1258E+00	4.0710E+00
12.8	1.1870E-01	-9.4319E-02	5.1640E+00	4.1032E+00
12.9	1.1779E-01	-9.3636E-02	5.2022E+00	4.1354E+00
13.0	1.1689E-01	-9.2962E-02	5.2405E+00	4.1677E+00
13.1	1.1601E-01	-9.2298E-02	5.2787E+00	4.1999E+00
13.2	1.1513E-01	-9.1644E-02	5.3169E+00	4.2321E+00
13.3	1.1427E-01	-9.0998E-02	5.3551E+00	4.2643E+00
13.4	1.1343E-01	-9.0362E-02	5.3933E+00	4.2966E+00
13.5	1.1259E-01	-8.9734E-02	5.4316E+00	4.3288E+00
13.6	1.1177E-01	-8.9115E-02	5.4698E+00	4.3610E+00
13.7	1.1096E-01	-8.8504E-02	5.5080E+00	4.3932E+00
13.8	1.1016E-01	-8.7902E-02	5.5462E+00	4.4254E+00
13.9	1.0938E-01	-8.7308E-02	5.5845E+00	4.4577E+00
14.0	1.0860E-01	-8.6722E-02	5.6227E+00	4.4899E+00
14.1	1.0784E-01	-8.6143E-02	5.6609E+00	4.5221E+00
14.2	1.0708E-01	-8.5572E-02	5.6991E+00	4.5543E+00
14.3	1.0634E-01	-8.5009E-02	5.7374E+00	4.5865E+00
14.4	1.0561E-01	-8.4453E-02	5.7756E+00	4.6187E+00
14.5	1.0488E-01	-8.3904E-02	5.8138E+00	4.6509E+00
14.6	1.0417E-01	-8.3362E-02	5.8521E+00	4.6832E+00
14.7	1.0347E-01	-8.2827E-02	5.8903E+00	4.7154E+00
14.8	1.0277E-01	-8.2299E-02	5.9285E+00	4.7476E+00
14.9	1.0209E-01	-8.1777E-02	5.9668E+00	4.7798E+00
15.0	1.0141E-01	-8.1263E-02	6.0050E+00	4.8120E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	1.0141E-01	-8.1263E-02	6.0050E+00	4.8120E+00
15.1	1.0074E-01	-8.0754E-02	6.0432E+00	4.8442E+00
15.2	1.0008E-01	-8.0252E-02	6.0815E+00	4.8764E+00
15.3	9.9434E-02	-7.9756E-02	6.1197E+00	4.9086E+00
15.4	9.8793E-02	-7.9266E-02	6.1580E+00	4.9408E+00
15.5	9.8160E-02	-7.8782E-02	6.1962E+00	4.9730E+00
15.6	9.7535E-02	-7.8304E-02	6.2344E+00	5.0052E+00
15.7	9.6917E-02	-7.7831E-02	6.2727E+00	5.0374E+00
15.8	9.6308E-02	-7.7365E-02	6.3109E+00	5.0696E+00
15.9	9.5706E-02	-7.6903E-02	6.3492E+00	5.1018E+00
16.0	9.5112E-02	-7.6448E-02	6.3874E+00	5.1340E+00
16.1	9.4525E-02	-7.5997E-02	6.4257E+00	5.1662E+00
16.2	9.3945E-02	-7.5552E-02	6.4639E+00	5.1984E+00
16.3	9.3372E-02	-7.5112E-02	6.5022E+00	5.2306E+00
16.4	9.2806E-02	-7.4677E-02	6.5404E+00	5.2628E+00
16.5	9.2247E-02	-7.4247E-02	6.5787E+00	5.2950E+00
16.6	9.1695E-02	-7.3822E-02	6.6169E+00	5.3272E+00
16.7	9.1149E-02	-7.3402E-02	6.6552E+00	5.3594E+00
16.8	9.0610E-02	-7.2986E-02	6.6934E+00	5.3915E+00
16.9	9.0077E-02	-7.2576E-02	6.7317E+00	5.4237E+00
17.0	8.9551E-02	-7.2169E-02	6.7699E+00	5.4559E+00
17.1	8.9030E-02	-7.1768E-02	6.8082E+00	5.4881E+00
17.2	8.8515E-02	-7.1370E-02	6.8464E+00	5.5203E+00
17.3	8.8007E-02	-7.0978E-02	6.8847E+00	5.5525E+00
17.4	8.7504E-02	-7.0589E-02	6.9229E+00	5.5847E+00
17.5	8.7007E-02	-7.0205E-02	6.9612E+00	5.6169E+00
17.6	8.6516E-02	-6.9824E-02	6.9994E+00	5.6490E+00
17.7	8.6030E-02	-6.9448E-02	7.0377E+00	5.6812E+00
17.8	8.5549E-02	-6.9076E-02	7.0759E+00	5.7134E+00
17.9	8.5074E-02	-6.8708E-02	7.1142E+00	5.7456E+00
18.0	8.4604E-02	-6.8343E-02	7.1525E+00	5.7778E+00
18.1	8.4139E-02	-6.7983E-02	7.1907E+00	5.8100E+00
18.2	8.3680E-02	-6.7626E-02	7.2290E+00	5.8422E+00
18.3	8.3225E-02	-6.7273E-02	7.2672E+00	5.8743E+00
18.4	8.2775E-02	-6.6924E-02	7.3055E+00	5.9065E+00
18.5	8.2330E-02	-6.6578E-02	7.3437E+00	5.9387E+00
18.6	8.1890E-02	-6.6236E-02	7.3820E+00	5.9709E+00
18.7	8.1455E-02	-6.5897E-02	7.4203E+00	6.0031E+00
18.8	8.1024E-02	-6.5562E-02	7.4585E+00	6.0352E+00
18.9	8.0597E-02	-6.5230E-02	7.4968E+00	6.0674E+00
19.0	8.0175E-02	-6.4902E-02	7.5351E+00	6.0996E+00
19.1	7.9758E-02	-6.4576E-02	7.5733E+00	6.1318E+00
19.2	7.9345E-02	-6.4254E-02	7.6116E+00	6.1640E+00
19.3	7.8936E-02	-6.3936E-02	7.6498E+00	6.1961E+00
19.4	7.8531E-02	-6.3620E-02	7.6881E+00	6.2283E+00
19.5	7.8131E-02	-6.3307E-02	7.7264E+00	6.2605E+00
19.6	7.7734E-02	-6.2998E-02	7.7646E+00	6.2927E+00
19.7	7.7342E-02	-6.2691E-02	7.8029E+00	6.3248E+00
19.8	7.6953E-02	-6.2388E-02	7.8412E+00	6.3570E+00
19.9	7.6568E-02	-6.2087E-02	7.8794E+00	6.3892E+00
20.0	7.6188E-02	-6.1789E-02	7.9177E+00	6.4214E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	1.0000E+00	-1.2500E-03	1.0000E+00	1.2500E-03
0.2	9.9997E-01	-4.9998E-03	1.0000E+00	5.0000E-03
0.3	9.9983E-01	-1.1247E-02	1.0000E+00	1.1250E-02
0.4	9.9947E-01	-1.9985E-02	1.0001E+00	1.9999E-02
0.5	9.9870E-01	-3.1194E-02	1.0003E+00	3.1245E-02
0.6	9.9731E-01	-4.4834E-02	1.0007E+00	4.4985E-02
0.7	9.9503E-01	-6.0832E-02	1.0012E+00	6.1212E-02
0.8	9.9157E-01	-7.9073E-02	1.0021E+00	7.9915E-02
0.9	9.8659E-01	-9.9384E-02	1.0034E+00	1.0108E-01
1.0	9.7977E-01	-1.2152E-01	1.0052E+00	1.2468E-01
1.1	9.7077E-01	-1.4517E-01	1.0076E+00	1.5068E-01
1.2	9.5930E-01	-1.6993E-01	1.0107E+00	1.7904E-01
1.3	9.4515E-01	-1.9532E-01	1.0147E+00	2.0970E-01
1.4	9.2815E-01	-2.2081E-01	1.0197E+00	2.4259E-01
1.5	9.0830E-01	-2.4582E-01	1.0258E+00	2.7762E-01
1.6	8.8568E-01	-2.6976E-01	1.0332E+00	3.1470E-01
1.7	8.6052E-01	-2.9207E-01	1.0420E+00	3.5368E-01
1.8	8.3318E-01	-3.1227E-01	1.0524E+00	3.9443E-01
1.9	8.0409E-01	-3.2997E-01	1.0644E+00	4.3679E-01
2.0	7.7378E-01	-3.4490E-01	1.0782E+00	4.8057E-01
2.1	7.4277E-01	-3.5692E-01	1.0938E+00	5.2558E-01
2.2	7.1160E-01	-3.6603E-01	1.1113E+00	5.7161E-01
2.3	6.8075E-01	-3.7235E-01	1.1307E+00	6.1845E-01
2.4	6.5065E-01	-3.7606E-01	1.1521E+00	6.6587E-01
2.5	6.2163E-01	-3.7743E-01	1.1754E+00	7.1364E-01
2.6	5.9395E-01	-3.7677E-01	1.2006E+00	7.6156E-01
2.7	5.6778E-01	-3.7439E-01	1.2275E+00	8.0942E-01
2.8	5.4322E-01	-3.7060E-01	1.2562E+00	8.5702E-01
2.9	5.2030E-01	-3.6570E-01	1.2864E+00	9.0420E-01
3.0	4.9901E-01	-3.5996E-01	1.3181E+00	9.5081E-01
3.1	4.7930E-01	-3.5361E-01	1.3510E+00	9.9674E-01
3.2	4.6109E-01	-3.4685E-01	1.3850E+00	1.0419E+00
3.3	4.4428E-01	-3.3984E-01	1.4200E+00	1.0862E+00
3.4	4.2876E-01	-3.3272E-01	1.4557E+00	1.1296E+00
3.5	4.1444E-01	-3.2559E-01	1.4920E+00	1.1722E+00
3.6	4.0119E-01	-3.1854E-01	1.5288E+00	1.2138E+00
3.7	3.8892E-01	-3.1163E-01	1.5659E+00	1.2547E+00
3.8	3.7753E-01	-3.0490E-01	1.6031E+00	1.2947E+00
3.9	3.6693E-01	-2.9838E-01	1.6405E+00	1.3340E+00
4.0	3.5704E-01	-2.9209E-01	1.6779E+00	1.3726E+00
4.1	3.4778E-01	-2.8604E-01	1.7152E+00	1.4107E+00
4.2	3.3908E-01	-2.8023E-01	1.7523E+00	1.4482E+00
4.3	3.3089E-01	-2.7466E-01	1.7893E+00	1.4853E+00
4.4	3.2315E-01	-2.6932E-01	1.8261E+00	1.5219E+00
4.5	3.1582E-01	-2.6420E-01	1.8628E+00	1.5583E+00
4.6	3.0886E-01	-2.5930E-01	1.8991E+00	1.5944E+00
4.7	3.0223E-01	-2.5460E-01	1.9353E+00	1.6304E+00
4.8	2.9590E-01	-2.5009E-01	1.9713E+00	1.6661E+00
4.9	2.8985E-01	-2.4576E-01	2.0071E+00	1.7018E+00
5.0	2.8406E-01	-2.4160E-01	2.0427E+00	1.7374E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	2.8406E-01	-2.4160E-01	2.0427E+00	1.7374E+00
5.1	2.7849E-01	-2.3759E-01	2.0782E+00	1.7730E+00
5.2	2.7315E-01	-2.3373E-01	2.1135E+00	1.8085E+00
5.3	2.6800E-01	-2.3000E-01	2.1488E+00	1.8440E+00
5.4	2.6305E-01	-2.2640E-01	2.1839E+00	1.8796E+00
5.5	2.5827E-01	-2.2291E-01	2.2189E+00	1.9151E+00
5.6	2.5366E-01	-2.1954E-01	2.2539E+00	1.9507E+00
5.7	2.4921E-01	-2.1627E-01	2.2889E+00	1.9864E+00
5.8	2.4490E-01	-2.1310E-01	2.3238E+00	2.0220E+00
5.9	2.4074E-01	-2.1002E-01	2.3587E+00	2.0577E+00
6.0	2.3671E-01	-2.0703E-01	2.3936E+00	2.0934E+00
6.1	2.3282E-01	-2.0412E-01	2.4285E+00	2.1292E+00
6.2	2.2904E-01	-2.0129E-01	2.4634E+00	2.1649E+00
6.3	2.2539E-01	-1.9854E-01	2.4983E+00	2.2007E+00
6.4	2.2184E-01	-1.9586E-01	2.5332E+00	2.2365E+00
6.5	2.1840E-01	-1.9324E-01	2.5682E+00	2.2723E+00
6.6	2.1507E-01	-1.9070E-01	2.6031E+00	2.3081E+00
6.7	2.1184E-01	-1.8821E-01	2.6381E+00	2.3439E+00
6.8	2.0870E-01	-1.8579E-01	2.6731E+00	2.3797E+00
6.9	2.0565E-01	-1.8343E-01	2.7081E+00	2.4155E+00
7.0	2.0269E-01	-1.8112E-01	2.7432E+00	2.4513E+00
7.1	1.9981E-01	-1.7887E-01	2.7783E+00	2.4871E+00
7.2	1.9702E-01	-1.7667E-01	2.8133E+00	2.5228E+00
7.3	1.9430E-01	-1.7453E-01	2.8484E+00	2.5586E+00
7.4	1.9165E-01	-1.7243E-01	2.8835E+00	2.5944E+00
7.5	1.8908E-01	-1.7039E-01	2.9187E+00	2.6301E+00
7.6	1.8658E-01	-1.6839E-01	2.9538E+00	2.6658E+00
7.7	1.8414E-01	-1.6643E-01	2.9890E+00	2.7015E+00
7.8	1.8176E-01	-1.6452E-01	3.0241E+00	2.7372E+00
7.9	1.7945E-01	-1.6265E-01	3.0593E+00	2.7729E+00
8.0	1.7719E-01	-1.6082E-01	3.0944E+00	2.8086E+00
8.1	1.7499E-01	-1.5904E-01	3.1296E+00	2.8442E+00
8.2	1.7285E-01	-1.5729E-01	3.1648E+00	2.8799E+00
8.3	1.7076E-01	-1.5558E-01	3.2000E+00	2.9155E+00
8.4	1.6871E-01	-1.5390E-01	3.2352E+00	2.9511E+00
8.5	1.6672E-01	-1.5226E-01	3.2704E+00	2.9868E+00
8.6	1.6477E-01	-1.5066E-01	3.3056E+00	3.0224E+00
8.7	1.6287E-01	-1.4908E-01	3.3408E+00	3.0580E+00
8.8	1.6101E-01	-1.4754E-01	3.3760E+00	3.0936E+00
8.9	1.5919E-01	-1.4603E-01	3.4112E+00	3.1292E+00
9.0	1.5742E-01	-1.4455E-01	3.4464E+00	3.1647E+00
9.1	1.5568E-01	-1.4310E-01	3.4816E+00	3.2003E+00
9.2	1.5398E-01	-1.4168E-01	3.5168E+00	3.2359E+00
9.3	1.5232E-01	-1.4029E-01	3.5520E+00	3.2714E+00
9.4	1.5070E-01	-1.3892E-01	3.5872E+00	3.3070E+00
9.5	1.4910E-01	-1.3758E-01	3.6225E+00	3.3425E+00
9.6	1.4755E-01	-1.3627E-01	3.6577E+00	3.3781E+00
9.7	1.4602E-01	-1.3498E-01	3.6929E+00	3.4136E+00
9.8	1.4452E-01	-1.3371E-01	3.7281E+00	3.4492E+00
9.9	1.4306E-01	-1.3247E-01	3.7633E+00	3.4847E+00
10.0	1.4163E-01	-1.3125E-01	3.7986E+00	3.5202E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.4163E-01	-1.3125E-01	3.7986E+00	3.5202E+00
10.1	1.4022E-01	-1.3005E-01	3.8338E+00	3.5558E+00
10.2	1.3884E-01	-1.2887E-01	3.8690E+00	3.5913E+00
10.3	1.3749E-01	-1.2772E-01	3.9043E+00	3.6268E+00
10.4	1.3616E-01	-1.2658E-01	3.9395E+00	3.6623E+00
10.5	1.3486E-01	-1.2547E-01	3.9748E+00	3.6978E+00
10.6	1.3359E-01	-1.2437E-01	4.0100E+00	3.7334E+00
10.7	1.3233E-01	-1.2329E-01	4.0452E+00	3.7689E+00
10.8	1.3111E-01	-1.2223E-01	4.0805E+00	3.8044E+00
10.9	1.2990E-01	-1.2119E-01	4.1157E+00	3.8399E+00
11.0	1.2872E-01	-1.2017E-01	4.1510E+00	3.8754E+00
11.1	1.2755E-01	-1.1916E-01	4.1862E+00	3.9109E+00
11.2	1.2641E-01	-1.1817E-01	4.2215E+00	3.9463E+00
11.3	1.2529E-01	-1.1720E-01	4.2567E+00	3.9818E+00
11.4	1.2419E-01	-1.1624E-01	4.2920E+00	4.0173E+00
11.5	1.2311E-01	-1.1530E-01	4.3273E+00	4.0528E+00
11.6	1.2204E-01	-1.1437E-01	4.3625E+00	4.0883E+00
11.7	1.2100E-01	-1.1346E-01	4.3978E+00	4.1238E+00
11.8	1.1997E-01	-1.1256E-01	4.4330E+00	4.1592E+00
11.9	1.1896E-01	-1.1168E-01	4.4683E+00	4.1947E+00
12.0	1.1797E-01	-1.1081E-01	4.5036E+00	4.2302E+00
12.1	1.1699E-01	-1.0995E-01	4.5388E+00	4.2657E+00
12.2	1.1603E-01	-1.0910E-01	4.5741E+00	4.3011E+00
12.3	1.1508E-01	-1.0827E-01	4.6094E+00	4.3366E+00
12.4	1.1415E-01	-1.0745E-01	4.6446E+00	4.3721E+00
12.5	1.1324E-01	-1.0665E-01	4.6799E+00	4.4075E+00
12.6	1.1234E-01	-1.0585E-01	4.7152E+00	4.4430E+00
12.7	1.1145E-01	-1.0507E-01	4.7505E+00	4.4784E+00
12.8	1.1058E-01	-1.0430E-01	4.7857E+00	4.5139E+00
12.9	1.0972E-01	-1.0354E-01	4.8210E+00	4.5494E+00
13.0	1.0888E-01	-1.0279E-01	4.8563E+00	4.5848E+00
13.1	1.0804E-01	-1.0205E-01	4.8916E+00	4.6203E+00
13.2	1.0722E-01	-1.0132E-01	4.9269E+00	4.6557E+00
13.3	1.0642E-01	-1.0060E-01	4.9621E+00	4.6912E+00
13.4	1.0562E-01	-9.9896E-02	4.9974E+00	4.7266E+00
13.5	1.0484E-01	-9.9199E-02	5.0327E+00	4.7621E+00
13.6	1.0406E-01	-9.8510E-02	5.0680E+00	4.7975E+00
13.7	1.0330E-01	-9.7831E-02	5.1033E+00	4.8329E+00
13.8	1.0255E-01	-9.7162E-02	5.1386E+00	4.8684E+00
13.9	1.0182E-01	-9.6501E-02	5.1739E+00	4.9038E+00
14.0	1.0109E-01	-9.5849E-02	5.2091E+00	4.9393E+00
14.1	1.0037E-01	-9.5206E-02	5.2444E+00	4.9747E+00
14.2	9.9661E-02	-9.4572E-02	5.2797E+00	5.0101E+00
14.3	9.8963E-02	-9.3946E-02	5.3150E+00	5.0456E+00
14.4	9.8275E-02	-9.3328E-02	5.3503E+00	5.0810E+00
14.5	9.7596E-02	-9.2718E-02	5.3856E+00	5.1164E+00
14.6	9.6927E-02	-9.2116E-02	5.4209E+00	5.1519E+00
14.7	9.6266E-02	-9.1522E-02	5.4562E+00	5.1873E+00
14.8	9.5615E-02	-9.0936E-02	5.4915E+00	5.2227E+00
14.9	9.4973E-02	-9.0356E-02	5.5268E+00	5.2582E+00
15.0	9.4339E-02	-8.9785E-02	5.5621E+00	5.2936E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	9.4339E-02	-8.9785E-02	5.5621E+00	5.2936E+00
15.1	9.3713E-02	-8.9220E-02	5.5974E+00	5.3290E+00
15.2	9.3096E-02	-8.8662E-02	5.6327E+00	5.3644E+00
15.3	9.2486E-02	-8.8111E-02	5.6680E+00	5.3999E+00
15.4	9.1885E-02	-8.7567E-02	5.7033E+00	5.4353E+00
15.5	9.1292E-02	-8.7030E-02	5.7386E+00	5.4707E+00
15.6	9.0706E-02	-8.6499E-02	5.7739E+00	5.5061E+00
15.7	9.0127E-02	-8.5975E-02	5.8092E+00	5.5415E+00
15.8	8.9556E-02	-8.5457E-02	5.8445E+00	5.5770E+00
15.9	8.8992E-02	-8.4945E-02	5.8798E+00	5.6124E+00
16.0	8.8436E-02	-8.4439E-02	5.9151E+00	5.6478E+00
16.1	8.7886E-02	-8.3939E-02	5.9504E+00	5.6832E+00
16.2	8.7343E-02	-8.3445E-02	5.9857E+00	5.7186E+00
16.3	8.6806E-02	-8.2957E-02	6.0210E+00	5.7540E+00
16.4	8.6276E-02	-8.2475E-02	6.0563E+00	5.7895E+00
16.5	8.5753E-02	-8.1998E-02	6.0916E+00	5.8249E+00
16.6	8.5236E-02	-8.1526E-02	6.1269E+00	5.8603E+00
16.7	8.4725E-02	-8.1060E-02	6.1622E+00	5.8957E+00
16.8	8.4220E-02	-8.0599E-02	6.1975E+00	5.9311E+00
16.9	8.3721E-02	-8.0144E-02	6.2329E+00	5.9665E+00
17.0	8.3228E-02	-7.9693E-02	6.2682E+00	6.0019E+00
17.1	8.2741E-02	-7.9248E-02	6.3035E+00	6.0373E+00
17.2	8.2259E-02	-7.8807E-02	6.3388E+00	6.0727E+00
17.3	8.1784E-02	-7.8371E-02	6.3741E+00	6.1082E+00
17.4	8.1313E-02	-7.7940E-02	6.4094E+00	6.1436E+00
17.5	8.0848E-02	-7.7514E-02	6.4447E+00	6.1790E+00
17.6	8.0388E-02	-7.7093E-02	6.4800E+00	6.2144E+00
17.7	7.9934E-02	-7.6675E-02	6.5153E+00	6.2498E+00
17.8	7.9484E-02	-7.6263E-02	6.5507E+00	6.2852E+00
17.9	7.9040E-02	-7.5855E-02	6.5860E+00	6.3206E+00
18.0	7.8600E-02	-7.5451E-02	6.6213E+00	6.3560E+00
18.1	7.8166E-02	-7.5051E-02	6.6566E+00	6.3914E+00
18.2	7.7736E-02	-7.4656E-02	6.6919E+00	6.4268E+00
18.3	7.7311E-02	-7.4265E-02	6.7272E+00	6.4622E+00
18.4	7.6890E-02	-7.3878E-02	6.7626E+00	6.4976E+00
18.5	7.6474E-02	-7.3494E-02	6.7979E+00	6.5330E+00
18.6	7.6063E-02	-7.3115E-02	6.8332E+00	6.5684E+00
18.7	7.5656E-02	-7.2740E-02	6.8685E+00	6.6038E+00
18.8	7.5253E-02	-7.2368E-02	6.9038E+00	6.6392E+00
18.9	7.4854E-02	-7.2001E-02	6.9391E+00	6.6746E+00
19.0	7.4460E-02	-7.1637E-02	6.9745E+00	6.7100E+00
19.1	7.4070E-02	-7.1276E-02	7.0098E+00	6.7454E+00
19.2	7.3684E-02	-7.0919E-02	7.0451E+00	6.7808E+00
19.3	7.3302E-02	-7.0566E-02	7.0804E+00	6.8162E+00
19.4	7.2924E-02	-7.0216E-02	7.1157E+00	6.8516E+00
19.5	7.2549E-02	-6.9870E-02	7.1511E+00	6.8870E+00
19.6	7.2179E-02	-6.9527E-02	7.1864E+00	6.9224E+00
19.7	7.1812E-02	-6.9188E-02	7.2217E+00	6.9578E+00
19.8	7.1449E-02	-6.8851E-02	7.2570E+00	6.9932E+00
19.9	7.1090E-02	-6.8518E-02	7.2923E+00	7.0286E+00
20.0	7.0734E-02	-6.8189E-02	7.3277E+00	7.0639E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	1.0002E+00	-1.2317E-03	9.9978E-01	1.2312E-03
0.2	1.0008E+00	-4.9352E-03	9.9914E-01	4.9269E-03
0.3	1.0018E+00	-1.1135E-02	9.9809E-01	1.1093E-02
0.4	1.0030E+00	-1.9866E-02	9.9665E-01	1.9741E-02
0.5	1.0042E+00	-3.1171E-02	9.9488E-01	3.0882E-02
0.6	1.0052E+00	-4.5089E-02	9.9283E-01	4.4534E-02
0.7	1.0058E+00	-6.1645E-02	9.9056E-01	6.0713E-02
0.8	1.0055E+00	-8.0832E-02	9.8815E-01	7.9438E-02
0.9	1.0040E+00	-1.0260E-01	9.8571E-01	1.0073E-01
1.0	1.0009E+00	-1.2681E-01	9.8333E-01	1.2459E-01
1.1	9.9562E-01	-1.5326E-01	9.8115E-01	1.5103E-01
1.2	9.8774E-01	-1.8162E-01	9.7930E-01	1.8006E-01
1.3	9.7680E-01	-2.1142E-01	9.7793E-01	2.1167E-01
1.4	9.6242E-01	-2.4210E-01	9.7721E-01	2.4582E-01
1.5	9.4432E-01	-2.7296E-01	9.7731E-01	2.8249E-01
1.6	9.2240E-01	-3.0319E-01	9.7842E-01	3.2161E-01
1.7	8.9673E-01	-3.3200E-01	9.8073E-01	3.6310E-01
1.8	8.6762E-01	-3.5857E-01	9.8443E-01	4.0684E-01
1.9	8.3556E-01	-3.8220E-01	9.8972E-01	4.5272E-01
2.0	8.0119E-01	-4.0233E-01	9.9679E-01	5.0055E-01
2.1	7.6528E-01	-4.1859E-01	1.0058E+00	5.5014E-01
2.2	7.2864E-01	-4.3083E-01	1.0169E+00	6.0127E-01
2.3	6.9204E-01	-4.3910E-01	1.0302E+00	6.5369E-01
2.4	6.5618E-01	-4.4364E-01	1.0459E+00	7.0712E-01
2.5	6.2164E-01	-4.4481E-01	1.0639E+00	7.6128E-01
2.6	5.8887E-01	-4.4307E-01	1.0843E+00	8.1585E-01
2.7	5.5815E-01	-4.3890E-01	1.1071E+00	8.7054E-01
2.8	5.2966E-01	-4.3279E-01	1.1321E+00	9.2506E-01
2.9	5.0346E-01	-4.2522E-01	1.1593E+00	9.7913E-01
3.0	4.7951E-01	-4.1658E-01	1.1885E+00	1.0325E+00
3.1	4.5772E-01	-4.0725E-01	1.2194E+00	1.0850E+00
3.2	4.3796E-01	-3.9752E-01	1.2519E+00	1.1363E+00
3.3	4.2007E-01	-3.8763E-01	1.2857E+00	1.1865E+00
3.4	4.0386E-01	-3.7777E-01	1.3206E+00	1.2353E+00
3.5	3.8918E-01	-3.6807E-01	1.3563E+00	1.2828E+00
3.6	3.7584E-01	-3.5865E-01	1.3926E+00	1.3289E+00
3.7	3.6369E-01	-3.4957E-01	1.4292E+00	1.3737E+00
3.8	3.5258E-01	-3.4088E-01	1.4660E+00	1.4173E+00
3.9	3.4238E-01	-3.3259E-01	1.5027E+00	1.4598E+00
4.0	3.3297E-01	-3.2473E-01	1.5393E+00	1.5012E+00
4.1	3.2424E-01	-3.1727E-01	1.5756E+00	1.5417E+00
4.2	3.1611E-01	-3.1022E-01	1.6115E+00	1.5814E+00
4.3	3.0850E-01	-3.0355E-01	1.6470E+00	1.6206E+00
4.4	3.0133E-01	-2.9724E-01	1.6820E+00	1.6591E+00
4.5	2.9456E-01	-2.9127E-01	1.7165E+00	1.6973E+00
4.6	2.8813E-01	-2.8561E-01	1.7506E+00	1.7353E+00
4.7	2.8201E-01	-2.8023E-01	1.7842E+00	1.7730E+00
4.8	2.7615E-01	-2.7511E-01	1.8174E+00	1.8106E+00
4.9	2.7054E-01	-2.7023E-01	1.8503E+00	1.8481E+00
5.0	2.6515E-01	-2.6557E-01	1.8828E+00	1.8857E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	2.6515E-01	-2.6557E-01	1.8828E+00	1.8857E+00
5.1	2.5996E-01	-2.6110E-01	1.9150E+00	1.9234E+00
5.2	2.5495E-01	-2.5681E-01	1.9469E+00	1.9611E+00
5.3	2.5012E-01	-2.5268E-01	1.9787E+00	1.9989E+00
5.4	2.4545E-01	-2.4869E-01	2.0103E+00	2.0369E+00
5.5	2.4094E-01	-2.4485E-01	2.0418E+00	2.0750E+00
5.6	2.3657E-01	-2.4112E-01	2.0732E+00	2.1132E+00
5.7	2.3234E-01	-2.3751E-01	2.1046E+00	2.1515E+00
5.8	2.2824E-01	-2.3401E-01	2.1360E+00	2.1900E+00
5.9	2.2428E-01	-2.3061E-01	2.1673E+00	2.2285E+00
6.0	2.2043E-01	-2.2730E-01	2.1987E+00	2.2672E+00
6.1	2.1671E-01	-2.2408E-01	2.2301E+00	2.3059E+00
6.2	2.1311E-01	-2.2094E-01	2.2616E+00	2.3447E+00
6.3	2.0962E-01	-2.1789E-01	2.2931E+00	2.3835E+00
6.4	2.0623E-01	-2.1491E-01	2.3246E+00	2.4224E+00
6.5	2.0295E-01	-2.1200E-01	2.3562E+00	2.4613E+00
6.6	1.9977E-01	-2.0917E-01	2.3879E+00	2.5002E+00
6.7	1.9669E-01	-2.0640E-01	2.4196E+00	2.5391E+00
6.8	1.9370E-01	-2.0371E-01	2.4514E+00	2.5781E+00
6.9	1.9080E-01	-2.0108E-01	2.4832E+00	2.6169E+00
7.0	1.8799E-01	-1.9851E-01	2.5151E+00	2.6558E+00
7.1	1.8526E-01	-1.9600E-01	2.5470E+00	2.6947E+00
7.2	1.8260E-01	-1.9355E-01	2.5789E+00	2.7335E+00
7.3	1.8003E-01	-1.9116E-01	2.6108E+00	2.7723E+00
7.4	1.7753E-01	-1.8883E-01	2.6428E+00	2.8111E+00
7.5	1.7509E-01	-1.8655E-01	2.6748E+00	2.8499E+00
7.6	1.7273E-01	-1.8433E-01	2.7068E+00	2.8886E+00
7.7	1.7043E-01	-1.8216E-01	2.7388E+00	2.9273E+00
7.8	1.6819E-01	-1.8003E-01	2.7709E+00	2.9660E+00
7.9	1.6601E-01	-1.7796E-01	2.8029E+00	3.0047E+00
8.0	1.6388E-01	-1.7593E-01	2.8349E+00	3.0433E+00
8.1	1.6181E-01	-1.7395E-01	2.8670E+00	3.0819E+00
8.2	1.5980E-01	-1.7201E-01	2.8990E+00	3.1205E+00
8.3	1.5783E-01	-1.7011E-01	2.9310E+00	3.1591E+00
8.4	1.5591E-01	-1.6826E-01	2.9631E+00	3.1977E+00
8.5	1.5404E-01	-1.6644E-01	2.9951E+00	3.2362E+00
8.6	1.5221E-01	-1.6466E-01	3.0271E+00	3.2748E+00
8.7	1.5043E-01	-1.6292E-01	3.0592E+00	3.3133E+00
8.8	1.4868E-01	-1.6122E-01	3.0912E+00	3.3519E+00
8.9	1.4698E-01	-1.5955E-01	3.1232E+00	3.3904E+00
9.0	1.4532E-01	-1.5792E-01	3.1552E+00	3.4289E+00
9.1	1.4369E-01	-1.5632E-01	3.1872E+00	3.4674E+00
9.2	1.4210E-01	-1.5475E-01	3.2193E+00	3.5059E+00
9.3	1.4054E-01	-1.5321E-01	3.2513E+00	3.5444E+00
9.4	1.3902E-01	-1.5171E-01	3.2833E+00	3.5830E+00
9.5	1.3753E-01	-1.5023E-01	3.3153E+00	3.6215E+00
9.6	1.3607E-01	-1.4878E-01	3.3473E+00	3.6599E+00
9.7	1.3464E-01	-1.4736E-01	3.3794E+00	3.6984E+00
9.8	1.3325E-01	-1.4596E-01	3.4114E+00	3.7369E+00
9.9	1.3188E-01	-1.4459E-01	3.4434E+00	3.7754E+00
10.0	1.3054E-01	-1.4325E-01	3.4754E+00	3.8139E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.3054E-01	-1.4325E-01	3.4754E+00	3.8139E+00
10.1	1.2922E-01	-1.4193E-01	3.5075E+00	3.8524E+00
10.2	1.2793E-01	-1.4063E-01	3.5395E+00	3.8909E+00
10.3	1.2667E-01	-1.3936E-01	3.5715E+00	3.9293E+00
10.4	1.2543E-01	-1.3811E-01	3.6036E+00	3.9678E+00
10.5	1.2422E-01	-1.3688E-01	3.6356E+00	4.0063E+00
10.6	1.2303E-01	-1.3568E-01	3.6676E+00	4.0447E+00
10.7	1.2186E-01	-1.3449E-01	3.6997E+00	4.0832E+00
10.8	1.2071E-01	-1.3333E-01	3.7317E+00	4.1217E+00
10.9	1.1959E-01	-1.3218E-01	3.7638E+00	4.1601E+00
11.0	1.1849E-01	-1.3106E-01	3.7958E+00	4.1986E+00
11.1	1.1740E-01	-1.2995E-01	3.8279E+00	4.2370E+00
11.2	1.1634E-01	-1.2886E-01	3.8599E+00	4.2755E+00
11.3	1.1529E-01	-1.2779E-01	3.8920E+00	4.3139E+00
11.4	1.1427E-01	-1.2674E-01	3.9240E+00	4.3524E+00
11.5	1.1326E-01	-1.2570E-01	3.9561E+00	4.3908E+00
11.6	1.1227E-01	-1.2468E-01	3.9882E+00	4.4292E+00
11.7	1.1129E-01	-1.2368E-01	4.0202E+00	4.4677E+00
11.8	1.1034E-01	-1.2270E-01	4.0523E+00	4.5061E+00
11.9	1.0940E-01	-1.2172E-01	4.0843E+00	4.5445E+00
12.0	1.0847E-01	-1.2077E-01	4.1164E+00	4.5830E+00
12.1	1.0757E-01	-1.1983E-01	4.1485E+00	4.6214E+00
12.2	1.0667E-01	-1.1890E-01	4.1805E+00	4.6598E+00
12.3	1.0579E-01	-1.1799E-01	4.2126E+00	4.6982E+00
12.4	1.0493E-01	-1.1709E-01	4.2447E+00	4.7366E+00
12.5	1.0408E-01	-1.1621E-01	4.2767E+00	4.7751E+00
12.6	1.0324E-01	-1.1533E-01	4.3088E+00	4.8135E+00
12.7	1.0242E-01	-1.1447E-01	4.3409E+00	4.8519E+00
12.8	1.0161E-01	-1.1363E-01	4.3729E+00	4.8903E+00
12.9	1.0081E-01	-1.1279E-01	4.4050E+00	4.9287E+00
13.0	1.0002E-01	-1.1197E-01	4.4371E+00	4.9671E+00
13.1	9.9252E-02	-1.1116E-01	4.4692E+00	5.0055E+00
13.2	9.8491E-02	-1.1036E-01	4.5012E+00	5.0439E+00
13.3	9.7741E-02	-1.0958E-01	4.5333E+00	5.0823E+00
13.4	9.7003E-02	-1.0880E-01	4.5654E+00	5.1207E+00
13.5	9.6276E-02	-1.0804E-01	4.5975E+00	5.1591E+00
13.6	9.5560E-02	-1.0728E-01	4.6295E+00	5.1975E+00
13.7	9.4854E-02	-1.0654E-01	4.6616E+00	5.2359E+00
13.8	9.4158E-02	-1.0581E-01	4.6937E+00	5.2743E+00
13.9	9.3473E-02	-1.0508E-01	4.7258E+00	5.3127E+00
14.0	9.2798E-02	-1.0437E-01	4.7579E+00	5.3511E+00
14.1	9.2132E-02	-1.0366E-01	4.7900E+00	5.3895E+00
14.2	9.1476E-02	-1.0297E-01	4.8220E+00	5.4278E+00
14.3	9.0829E-02	-1.0228E-01	4.8541E+00	5.4662E+00
14.4	9.0192E-02	-1.0161E-01	4.8862E+00	5.5046E+00
14.5	8.9563E-02	-1.0094E-01	4.9183E+00	5.5430E+00
14.6	8.8943E-02	-1.0028E-01	4.9504E+00	5.5814E+00
14.7	8.8331E-02	-9.9629E-02	4.9825E+00	5.6198E+00
14.8	8.7728E-02	-9.8987E-02	5.0145E+00	5.6581E+00
14.9	8.7133E-02	-9.8353E-02	5.0466E+00	5.6965E+00
15.0	8.6546E-02	-9.7728E-02	5.0787E+00	5.7349E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	8.6546E-02	-9.7728E-02	5.0787E+00	5.7349E+00
15.1	8.5967E-02	-9.7110E-02	5.1108E+00	5.7733E+00
15.2	8.5395E-02	-9.6499E-02	5.1429E+00	5.8117E+00
15.3	8.4831E-02	-9.5897E-02	5.1750E+00	5.8500E+00
15.4	8.4275E-02	-9.5302E-02	5.2071E+00	5.8884E+00
15.5	8.3725E-02	-9.4714E-02	5.2392E+00	5.9268E+00
15.6	8.3183E-02	-9.4133E-02	5.2713E+00	5.9652E+00
15.7	8.2648E-02	-9.3559E-02	5.3034E+00	6.0035E+00
15.8	8.2120E-02	-9.2993E-02	5.3355E+00	6.0419E+00
15.9	8.1598E-02	-9.2433E-02	5.3676E+00	6.0803E+00
16.0	8.1083E-02	-9.1880E-02	5.3996E+00	6.1186E+00
16.1	8.0575E-02	-9.1333E-02	5.4317E+00	6.1570E+00
16.2	8.0073E-02	-9.0793E-02	5.4638E+00	6.1954E+00
16.3	7.9577E-02	-9.0259E-02	5.4959E+00	6.2337E+00
16.4	7.9087E-02	-8.9732E-02	5.5280E+00	6.2721E+00
16.5	7.8603E-02	-8.9210E-02	5.5601E+00	6.3105E+00
16.6	7.8125E-02	-8.8695E-02	5.5922E+00	6.3488E+00
16.7	7.7653E-02	-8.8185E-02	5.6243E+00	6.3872E+00
16.8	7.7186E-02	-8.7682E-02	5.6564E+00	6.4255E+00
16.9	7.6725E-02	-8.7184E-02	5.6885E+00	6.4639E+00
17.0	7.6270E-02	-8.6691E-02	5.7206E+00	6.5023E+00
17.1	7.5820E-02	-8.6204E-02	5.7527E+00	6.5406E+00
17.2	7.5375E-02	-8.5723E-02	5.7848E+00	6.5790E+00
17.3	7.4935E-02	-8.5247E-02	5.8169E+00	6.6173E+00
17.4	7.4501E-02	-8.4776E-02	5.8490E+00	6.6557E+00
17.5	7.4071E-02	-8.4310E-02	5.8811E+00	6.6941E+00
17.6	7.3647E-02	-8.3849E-02	5.9132E+00	6.7324E+00
17.7	7.3227E-02	-8.3394E-02	5.9453E+00	6.7708E+00
17.8	7.2812E-02	-8.2943E-02	5.9774E+00	6.8091E+00
17.9	7.2402E-02	-8.2497E-02	6.0095E+00	6.8475E+00
18.0	7.1996E-02	-8.2056E-02	6.0416E+00	6.8858E+00
18.1	7.1595E-02	-8.1620E-02	6.0737E+00	6.9242E+00
18.2	7.1198E-02	-8.1188E-02	6.1059E+00	6.9625E+00
18.3	7.0806E-02	-8.0761E-02	6.1380E+00	7.0009E+00
18.4	7.0418E-02	-8.0338E-02	6.1701E+00	7.0392E+00
18.5	7.0034E-02	-7.9919E-02	6.2022E+00	7.0776E+00
18.6	6.9655E-02	-7.9505E-02	6.2343E+00	7.1159E+00
18.7	6.9279E-02	-7.9095E-02	6.2664E+00	7.1543E+00
18.8	6.8907E-02	-7.8690E-02	6.2985E+00	7.1926E+00
18.9	6.8540E-02	-7.8288E-02	6.3306E+00	7.2310E+00
19.0	6.8176E-02	-7.7891E-02	6.3627E+00	7.2693E+00
19.1	6.7816E-02	-7.7497E-02	6.3948E+00	7.3077E+00
19.2	6.7460E-02	-7.7108E-02	6.4269E+00	7.3460E+00
19.3	6.7108E-02	-7.6722E-02	6.4590E+00	7.3844E+00
19.4	6.6760E-02	-7.6341E-02	6.4911E+00	7.4227E+00
19.5	6.6414E-02	-7.5963E-02	6.5232E+00	7.4611E+00
19.6	6.6073E-02	-7.5588E-02	6.5554E+00	7.4994E+00
19.7	6.5735E-02	-7.5218E-02	6.5875E+00	7.5378E+00
19.8	6.5400E-02	-7.4851E-02	6.6196E+00	7.5761E+00
19.9	6.5069E-02	-7.4487E-02	6.6517E+00	7.6144E+00
20.0	6.4741E-02	-7.4127E-02	6.6838E+00	7.6528E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	1.0004E+00	-1.1760E-03	9.9957E-01	1.1750E-03
0.2	1.0017E+00	-4.7198E-03	9.9830E-01	4.7038E-03
0.3	1.0037E+00	-1.0679E-02	9.9618E-01	1.0599E-02
0.4	1.0064E+00	-1.9129E-02	9.9326E-01	1.8879E-02
0.5	1.0096E+00	-3.0172E-02	9.8957E-01	2.9572E-02
0.6	1.0132E+00	-4.3928E-02	9.8514E-01	4.2712E-02
0.7	1.0168E+00	-6.0525E-02	9.8004E-01	5.8340E-02
0.8	1.0200E+00	-8.0088E-02	9.7435E-01	7.6500E-02
0.9	1.0226E+00	-1.0271E-01	9.6814E-01	9.7245E-02
1.0	1.0239E+00	-1.2845E-01	9.6151E-01	1.2063E-01
1.1	1.0234E+00	-1.5727E-01	9.5460E-01	1.4670E-01
1.2	1.0204E+00	-1.8900E-01	9.4753E-01	1.7551E-01
1.3	1.0141E+00	-2.2334E-01	9.4045E-01	2.0711E-01
1.4	1.0040E+00	-2.5976E-01	9.3356E-01	2.4154E-01
1.5	9.8922E-01	-2.9754E-01	9.2703E-01	2.7883E-01
1.6	9.6939E-01	-3.3572E-01	9.2110E-01	3.1899E-01
1.7	9.4422E-01	-3.7317E-01	9.1600E-01	3.6201E-01
1.8	9.1376E-01	-4.0865E-01	9.1199E-01	4.0785E-01
1.9	8.7839E-01	-4.4092E-01	9.0933E-01	4.5645E-01
2.0	8.3887E-01	-4.6887E-01	9.0832E-01	5.0768E-01
2.1	7.9626E-01	-4.9166E-01	9.0923E-01	5.6141E-01
2.2	7.5178E-01	-5.0877E-01	9.1234E-01	6.1742E-01
2.3	7.0672E-01	-5.2006E-01	9.1792E-01	6.7547E-01
2.4	6.6231E-01	-5.2577E-01	9.2620E-01	7.3525E-01
2.5	6.1957E-01	-5.2639E-01	9.3738E-01	7.9642E-01
2.6	5.7929E-01	-5.2266E-01	9.5161E-01	8.5857E-01
2.7	5.4203E-01	-5.1536E-01	9.6896E-01	9.2129E-01
2.8	5.0806E-01	-5.0532E-01	9.8945E-01	9.8412E-01
2.9	4.7747E-01	-4.9332E-01	1.0130E+00	1.0466E+00
3.0	4.5018E-01	-4.8002E-01	1.0395E+00	1.1084E+00
3.1	4.2601E-01	-4.6601E-01	1.0686E+00	1.1690E+00
3.2	4.0471E-01	-4.5173E-01	1.1002E+00	1.2280E+00
3.3	3.8597E-01	-4.3755E-01	1.1338E+00	1.2853E+00
3.4	3.6950E-01	-4.2372E-01	1.1691E+00	1.3406E+00
3.5	3.5501E-01	-4.1042E-01	1.2056E+00	1.3937E+00
3.6	3.4221E-01	-3.9778E-01	1.2429E+00	1.4447E+00
3.7	3.3085E-01	-3.8585E-01	1.2807E+00	1.4935E+00
3.8	3.2072E-01	-3.7467E-01	1.3185E+00	1.5403E+00
3.9	3.1160E-01	-3.6424E-01	1.3561E+00	1.5853E+00
4.0	3.0333E-01	-3.5454E-01	1.3933E+00	1.6285E+00
4.1	2.9577E-01	-3.4554E-01	1.4297E+00	1.6703E+00
4.2	2.8878E-01	-3.3718E-01	1.4652E+00	1.7109E+00
4.3	2.8226E-01	-3.2942E-01	1.4999E+00	1.7505E+00
4.4	2.7613E-01	-3.2221E-01	1.5335E+00	1.7894E+00
4.5	2.7032E-01	-3.1549E-01	1.5661E+00	1.8278E+00
4.6	2.6478E-01	-3.0921E-01	1.5977E+00	1.8659E+00
4.7	2.5945E-01	-3.0333E-01	1.6285E+00	1.9039E+00
4.8	2.5431E-01	-2.9778E-01	1.6584E+00	1.9419E+00
4.9	2.4933E-01	-2.9254E-01	1.6876E+00	1.9801E+00
5.0	2.4449E-01	-2.8755E-01	1.7162E+00	2.0184E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	2.4449E-01	-2.8755E-01	1.7162E+00	2.0184E+00
5.1	2.3978E-01	-2.8280E-01	1.7442E+00	2.0572E+00
5.2	2.3520E-01	-2.7825E-01	1.7719E+00	2.0962E+00
5.3	2.3073E-01	-2.7387E-01	1.7992E+00	2.1356E+00
5.4	2.2637E-01	-2.6964E-01	1.8263E+00	2.1754E+00
5.5	2.2212E-01	-2.6554E-01	1.8533E+00	2.2156E+00
5.6	2.1799E-01	-2.6157E-01	1.8802E+00	2.2561E+00
5.7	2.1397E-01	-2.5770E-01	1.9072E+00	2.2970E+00
5.8	2.1006E-01	-2.5393E-01	1.9341E+00	2.3381E+00
5.9	2.0626E-01	-2.5025E-01	1.9612E+00	2.3795E+00
6.0	2.0258E-01	-2.4666E-01	1.9884E+00	2.4211E+00
6.1	1.9901E-01	-2.4315E-01	2.0157E+00	2.4628E+00
6.2	1.9556E-01	-2.3972E-01	2.0432E+00	2.5047E+00
6.3	1.9221E-01	-2.3637E-01	2.0709E+00	2.5466E+00
6.4	1.8897E-01	-2.3309E-01	2.0987E+00	2.5887E+00
6.5	1.8584E-01	-2.2989E-01	2.1267E+00	2.6307E+00
6.6	1.8282E-01	-2.2675E-01	2.1548E+00	2.6728E+00
6.7	1.7989E-01	-2.2370E-01	2.1831E+00	2.7148E+00
6.8	1.7705E-01	-2.2071E-01	2.2115E+00	2.7568E+00
6.9	1.7431E-01	-2.1779E-01	2.2400E+00	2.7987E+00
7.0	1.7166E-01	-2.1495E-01	2.2685E+00	2.8406E+00
7.1	1.6910E-01	-2.1217E-01	2.2972E+00	2.8823E+00
7.2	1.6661E-01	-2.0946E-01	2.3259E+00	2.9241E+00
7.3	1.6420E-01	-2.0682E-01	2.3546E+00	2.9657E+00
7.4	1.6187E-01	-2.0424E-01	2.3834E+00	3.0073E+00
7.5	1.5960E-01	-2.0173E-01	2.4121E+00	3.0488E+00
7.6	1.5740E-01	-1.9927E-01	2.4409E+00	3.0902E+00
7.7	1.5527E-01	-1.9688E-01	2.4697E+00	3.1316E+00
7.8	1.5319E-01	-1.9454E-01	2.4985E+00	3.1729E+00
7.9	1.5117E-01	-1.9226E-01	2.5272E+00	3.2142E+00
8.0	1.4920E-01	-1.9004E-01	2.5559E+00	3.2554E+00
8.1	1.4729E-01	-1.8786E-01	2.5846E+00	3.2967E+00
8.2	1.4542E-01	-1.8574E-01	2.6133E+00	3.3379E+00
8.3	1.4360E-01	-1.8366E-01	2.6420E+00	3.3790E+00
8.4	1.4183E-01	-1.8164E-01	2.6706E+00	3.4202E+00
8.5	1.4010E-01	-1.7965E-01	2.6993E+00	3.4613E+00
8.6	1.3841E-01	-1.7771E-01	2.7279E+00	3.5025E+00
8.7	1.3676E-01	-1.7582E-01	2.7565E+00	3.5436E+00
8.8	1.3515E-01	-1.7396E-01	2.7850E+00	3.5847E+00
8.9	1.3358E-01	-1.7214E-01	2.8136E+00	3.6259E+00
9.0	1.3204E-01	-1.7036E-01	2.8422E+00	3.6670E+00
9.1	1.3054E-01	-1.6862E-01	2.8707E+00	3.7081E+00
9.2	1.2907E-01	-1.6691E-01	2.8993E+00	3.7493E+00
9.3	1.2763E-01	-1.6524E-01	2.9278E+00	3.7904E+00
9.4	1.2623E-01	-1.6359E-01	2.9564E+00	3.8316E+00
9.5	1.2485E-01	-1.6199E-01	2.9849E+00	3.8727E+00
9.6	1.2351E-01	-1.6041E-01	3.0135E+00	3.9139E+00
9.7	1.2219E-01	-1.5886E-01	3.0421E+00	3.9550E+00
9.8	1.2090E-01	-1.5734E-01	3.0706E+00	3.9962E+00
9.9	1.1964E-01	-1.5585E-01	3.0992E+00	4.0374E+00
10.0	1.1840E-01	-1.5439E-01	3.1278E+00	4.0785E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.1840E-01	-1.5439E-01	3.1278E+00	4.0785E+00
10.1	1.1719E-01	-1.5295E-01	3.1563E+00	4.1197E+00
10.2	1.1600E-01	-1.5154E-01	3.1849E+00	4.1608E+00
10.3	1.1484E-01	-1.5016E-01	3.2135E+00	4.2020E+00
10.4	1.1370E-01	-1.4880E-01	3.2421E+00	4.2431E+00
10.5	1.1258E-01	-1.4747E-01	3.2707E+00	4.2842E+00
10.6	1.1148E-01	-1.4616E-01	3.2993E+00	4.3254E+00
10.7	1.1041E-01	-1.4487E-01	3.3279E+00	4.3665E+00
10.8	1.0936E-01	-1.4360E-01	3.3565E+00	4.4076E+00
10.9	1.0832E-01	-1.4236E-01	3.3851E+00	4.4488E+00
11.0	1.0731E-01	-1.4114E-01	3.4137E+00	4.4899E+00
11.1	1.0631E-01	-1.3993E-01	3.4423E+00	4.5310E+00
11.2	1.0533E-01	-1.3875E-01	3.4709E+00	4.5721E+00
11.3	1.0437E-01	-1.3759E-01	3.4995E+00	4.6132E+00
11.4	1.0343E-01	-1.3645E-01	3.5281E+00	4.6543E+00
11.5	1.0251E-01	-1.3532E-01	3.5567E+00	4.6954E+00
11.6	1.0160E-01	-1.3422E-01	3.5854E+00	4.7365E+00
11.7	1.0071E-01	-1.3313E-01	3.6140E+00	4.7776E+00
11.8	9.9829E-02	-1.3206E-01	3.6426E+00	4.8187E+00
11.9	9.8967E-02	-1.3101E-01	3.6712E+00	4.8598E+00
12.0	9.8119E-02	-1.2997E-01	3.6998E+00	4.9009E+00
12.1	9.7287E-02	-1.2895E-01	3.7284E+00	4.9420E+00
12.2	9.6468E-02	-1.2795E-01	3.7571E+00	4.9830E+00
12.3	9.5663E-02	-1.2696E-01	3.7857E+00	5.0241E+00
12.4	9.4871E-02	-1.2598E-01	3.8143E+00	5.0652E+00
12.5	9.4092E-02	-1.2502E-01	3.8429E+00	5.1063E+00
12.6	9.3326E-02	-1.2408E-01	3.8715E+00	5.1473E+00
12.7	9.2572E-02	-1.2315E-01	3.9002E+00	5.1884E+00
12.8	9.1831E-02	-1.2223E-01	3.9288E+00	5.2295E+00
12.9	9.1101E-02	-1.2133E-01	3.9574E+00	5.2705E+00
13.0	9.0383E-02	-1.2044E-01	3.9860E+00	5.3116E+00
13.1	8.9676E-02	-1.1956E-01	4.0146E+00	5.3527E+00
13.2	8.8980E-02	-1.1870E-01	4.0433E+00	5.3937E+00
13.3	8.8294E-02	-1.1785E-01	4.0719E+00	5.4348E+00
13.4	8.7619E-02	-1.1701E-01	4.1005E+00	5.4759E+00
13.5	8.6955E-02	-1.1618E-01	4.1292E+00	5.5169E+00
13.6	8.6300E-02	-1.1536E-01	4.1578E+00	5.5580E+00
13.7	8.5655E-02	-1.1456E-01	4.1864E+00	5.5990E+00
13.8	8.5020E-02	-1.1376E-01	4.2150E+00	5.6401E+00
13.9	8.4394E-02	-1.1298E-01	4.2437E+00	5.6811E+00
14.0	8.3777E-02	-1.1221E-01	4.2723E+00	5.7222E+00
14.1	8.3170E-02	-1.1145E-01	4.3009E+00	5.7632E+00
14.2	8.2571E-02	-1.1070E-01	4.3296E+00	5.8043E+00
14.3	8.1980E-02	-1.0995E-01	4.3582E+00	5.8453E+00
14.4	8.1398E-02	-1.0922E-01	4.3868E+00	5.8864E+00
14.5	8.0824E-02	-1.0850E-01	4.4155E+00	5.9274E+00
14.6	8.0258E-02	-1.0779E-01	4.4441E+00	5.9685E+00
14.7	7.9700E-02	-1.0708E-01	4.4727E+00	6.0095E+00
14.8	7.9150E-02	-1.0639E-01	4.5014E+00	6.0505E+00
14.9	7.8607E-02	-1.0570E-01	4.5300E+00	6.0916E+00
15.0	7.8072E-02	-1.0503E-01	4.5586E+00	6.1326E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	7.8072E-02	-1.0503E-01	4.5586E+00	6.1326E+00
15.1	7.7544E-02	-1.0436E-01	4.5873E+00	6.1736E+00
15.2	7.7023E-02	-1.0370E-01	4.6159E+00	6.2147E+00
15.3	7.6509E-02	-1.0305E-01	4.6445E+00	6.2557E+00
15.4	7.6002E-02	-1.0241E-01	4.6732E+00	6.2967E+00
15.5	7.5502E-02	-1.0177E-01	4.7018E+00	6.3378E+00
15.6	7.5008E-02	-1.0114E-01	4.7305E+00	6.3788E+00
15.7	7.4520E-02	-1.0052E-01	4.7591E+00	6.4198E+00
15.8	7.4039E-02	-9.9913E-02	4.7877E+00	6.4609E+00
15.9	7.3564E-02	-9.9308E-02	4.8164E+00	6.5019E+00
16.0	7.3095E-02	-9.8710E-02	4.8450E+00	6.5429E+00
16.1	7.2632E-02	-9.8120E-02	4.8737E+00	6.5839E+00
16.2	7.2175E-02	-9.7537E-02	4.9023E+00	6.6250E+00
16.3	7.1723E-02	-9.6960E-02	4.9309E+00	6.6660E+00
16.4	7.1277E-02	-9.6391E-02	4.9596E+00	6.7070E+00
16.5	7.0837E-02	-9.5828E-02	4.9882E+00	6.7480E+00
16.6	7.0402E-02	-9.5271E-02	5.0169E+00	6.7891E+00
16.7	6.9972E-02	-9.4721E-02	5.0455E+00	6.8301E+00
16.8	6.9548E-02	-9.4177E-02	5.0742E+00	6.8711E+00
16.9	6.9129E-02	-9.3640E-02	5.1028E+00	6.9121E+00
17.0	6.8714E-02	-9.3108E-02	5.1315E+00	6.9531E+00
17.1	6.8305E-02	-9.2583E-02	5.1601E+00	6.9942E+00
17.2	6.7901E-02	-9.2063E-02	5.1887E+00	7.0352E+00
17.3	6.7501E-02	-9.1549E-02	5.2174E+00	7.0762E+00
17.4	6.7106E-02	-9.1041E-02	5.2460E+00	7.1172E+00
17.5	6.6715E-02	-9.0539E-02	5.2747E+00	7.1582E+00
17.6	6.6330E-02	-9.0042E-02	5.3033E+00	7.1992E+00
17.7	6.5948E-02	-8.9550E-02	5.3320E+00	7.2402E+00
17.8	6.5571E-02	-8.9064E-02	5.3606E+00	7.2813E+00
17.9	6.5198E-02	-8.8583E-02	5.3893E+00	7.3223E+00
18.0	6.4830E-02	-8.8107E-02	5.4179E+00	7.3633E+00
18.1	6.4465E-02	-8.7637E-02	5.4466E+00	7.4043E+00
18.2	6.4105E-02	-8.7171E-02	5.4752E+00	7.4453E+00
18.3	6.3748E-02	-8.6710E-02	5.5039E+00	7.4863E+00
18.4	6.3396E-02	-8.6254E-02	5.5325E+00	7.5273E+00
18.5	6.3047E-02	-8.5803E-02	5.5612E+00	7.5683E+00
18.6	6.2703E-02	-8.5356E-02	5.5898E+00	7.6093E+00
18.7	6.2362E-02	-8.4914E-02	5.6185E+00	7.6503E+00
18.8	6.2024E-02	-8.4477E-02	5.6471E+00	7.6914E+00
18.9	6.1691E-02	-8.4044E-02	5.6758E+00	7.7324E+00
19.0	6.1361E-02	-8.3615E-02	5.7044E+00	7.7734E+00
19.1	6.1034E-02	-8.3191E-02	5.7331E+00	7.8144E+00
19.2	6.0711E-02	-8.2771E-02	5.7617E+00	7.8554E+00
19.3	6.0391E-02	-8.2356E-02	5.7904E+00	7.8964E+00
19.4	6.0075E-02	-8.1944E-02	5.8190E+00	7.9374E+00
19.5	5.9762E-02	-8.1537E-02	5.8477E+00	7.9784E+00
19.6	5.9452E-02	-8.1133E-02	5.8763E+00	8.0194E+00
19.7	5.9145E-02	-8.0734E-02	5.9050E+00	8.0604E+00
19.8	5.8842E-02	-8.0339E-02	5.9336E+00	8.1014E+00
19.9	5.8541E-02	-7.9947E-02	5.9623E+00	8.1424E+00
20.0	5.8244E-02	-7.9559E-02	5.9909E+00	8.1834E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	1.0006E+00	-1.0843E-03	9.9938E-01	1.0830E-03
0.2	1.0025E+00	-4.3590E-03	9.9750E-01	4.3373E-03
0.3	1.0055E+00	-9.8889E-03	9.9440E-01	9.7793E-03
0.4	1.0097E+00	-1.7782E-02	9.9007E-01	1.7436E-02
0.5	1.0149E+00	-2.8189E-02	9.8454E-01	2.7345E-02
0.6	1.0210E+00	-4.1300E-02	9.7785E-01	3.9555E-02
0.7	1.0277E+00	-5.7343E-02	9.7004E-01	5.4126E-02
0.8	1.0347E+00	-7.6572E-02	9.6115E-01	7.1126E-02
0.9	1.0418E+00	-9.9260E-02	9.5126E-01	9.0636E-02
1.0	1.0483E+00	-1.2567E-01	9.4044E-01	1.1274E-01
1.1	1.0536E+00	-1.5603E-01	9.2879E-01	1.3755E-01
1.2	1.0569E+00	-1.9046E-01	9.1641E-01	1.6515E-01
1.3	1.0573E+00	-2.2897E-01	9.0346E-01	1.9566E-01
1.4	1.0536E+00	-2.7130E-01	8.9009E-01	2.2919E-01
1.5	1.0448E+00	-3.1690E-01	8.7649E-01	2.6585E-01
1.6	1.0296E+00	-3.6483E-01	8.6288E-01	3.0575E-01
1.7	1.0072E+00	-4.1373E-01	8.4953E-01	3.4897E-01
1.8	9.7680E-01	-4.6182E-01	8.3672E-01	3.9559E-01
1.9	9.3845E-01	-5.0708E-01	8.2478E-01	4.4566E-01
2.0	8.9271E-01	-5.4740E-01	8.1408E-01	4.9919E-01
2.1	8.4089E-01	-5.8091E-01	8.0503E-01	5.5613E-01
2.2	7.8486E-01	-6.0620E-01	7.9804E-01	6.1639E-01
2.3	7.2681E-01	-6.2260E-01	7.9356E-01	6.7978E-01
2.4	6.6899E-01	-6.3015E-01	7.9204E-01	7.4606E-01
2.5	6.1339E-01	-6.2957E-01	7.9392E-01	8.1487E-01
2.6	5.6154E-01	-6.2206E-01	7.9959E-01	8.8576E-01
2.7	5.1447E-01	-6.0907E-01	8.0937E-01	9.5819E-01
2.8	4.7268E-01	-5.9207E-01	8.2352E-01	1.0315E+00
2.9	4.3625E-01	-5.7245E-01	8.4216E-01	1.1051E+00
3.0	4.0496E-01	-5.5138E-01	8.6527E-01	1.1781E+00
3.1	3.7840E-01	-5.2981E-01	8.9268E-01	1.2499E+00
3.2	3.5603E-01	-5.0845E-01	9.2408E-01	1.3197E+00
3.3	3.3729E-01	-4.8781E-01	9.5898E-01	1.3869E+00
3.4	3.2164E-01	-4.6822E-01	9.9678E-01	1.4510E+00
3.5	3.0857E-01	-4.4989E-01	1.0368E+00	1.5117E+00
3.6	2.9761E-01	-4.3292E-01	1.0783E+00	1.5686E+00
3.7	2.8836E-01	-4.1735E-01	1.1206E+00	1.6218E+00
3.8	2.8047E-01	-4.0315E-01	1.1629E+00	1.6715E+00
3.9	2.7365E-01	-3.9025E-01	1.2045E+00	1.7178E+00
4.0	2.6766E-01	-3.7859E-01	1.2451E+00	1.7611E+00
4.1	2.6228E-01	-3.6806E-01	1.2841E+00	1.8019E+00
4.2	2.5736E-01	-3.5855E-01	1.3212E+00	1.8407E+00
4.3	2.5275E-01	-3.4996E-01	1.3563E+00	1.8779E+00
4.4	2.4836E-01	-3.4218E-01	1.3893E+00	1.9141E+00
4.5	2.4411E-01	-3.3510E-01	1.4202E+00	1.9496E+00
4.6	2.3992E-01	-3.2863E-01	1.4491E+00	1.9850E+00
4.7	2.3577E-01	-3.2267E-01	1.4763E+00	2.0204E+00
4.8	2.3162E-01	-3.1714E-01	1.5018E+00	2.0563E+00
4.9	2.2746E-01	-3.1197E-01	1.5259E+00	2.0929E+00
5.0	2.2329E-01	-3.0708E-01	1.5489E+00	2.1302E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	2.2329E-01	-3.0708E-01	1.5489E+00	2.1302E+00
5.1	2.1911E-01	-3.0243E-01	1.5710E+00	2.1684E+00
5.2	2.1493E-01	-2.9795E-01	1.5924E+00	2.2076E+00
5.3	2.1076E-01	-2.9362E-01	1.6134E+00	2.2477E+00
5.4	2.0661E-01	-2.8940E-01	1.6341E+00	2.2888E+00
5.5	2.0252E-01	-2.8526E-01	1.6547E+00	2.3308E+00
5.6	1.9849E-01	-2.8120E-01	1.6754E+00	2.3736E+00
5.7	1.9453E-01	-2.7719E-01	1.6964E+00	2.4172E+00
5.8	1.9067E-01	-2.7323E-01	1.7176E+00	2.4613E+00
5.9	1.8691E-01	-2.6932E-01	1.7392E+00	2.5061E+00
6.0	1.8326E-01	-2.6546E-01	1.7612E+00	2.5512E+00
6.1	1.7974E-01	-2.6165E-01	1.7837E+00	2.5966E+00
6.2	1.7634E-01	-2.5789E-01	1.8067E+00	2.6423E+00
6.3	1.7306E-01	-2.5419E-01	1.8301E+00	2.6880E+00
6.4	1.6992E-01	-2.5056E-01	1.8540E+00	2.7338E+00
6.5	1.6690E-01	-2.4699E-01	1.8783E+00	2.7796E+00
6.6	1.6400E-01	-2.4349E-01	1.9029E+00	2.8252E+00
6.7	1.6122E-01	-2.4007E-01	1.9279E+00	2.8707E+00
6.8	1.5856E-01	-2.3673E-01	1.9531E+00	2.9160E+00
6.9	1.5600E-01	-2.3348E-01	1.9785E+00	2.9611E+00
7.0	1.5355E-01	-2.3030E-01	2.0041E+00	3.0060E+00
7.1	1.5118E-01	-2.2721E-01	2.0298E+00	3.0506E+00
7.2	1.4891E-01	-2.2420E-01	2.0556E+00	3.0950E+00
7.3	1.4672E-01	-2.2127E-01	2.0814E+00	3.1392E+00
7.4	1.4460E-01	-2.1843E-01	2.1073E+00	3.1832E+00
7.5	1.4255E-01	-2.1566E-01	2.1330E+00	3.2269E+00
7.6	1.4057E-01	-2.1297E-01	2.1587E+00	3.2706E+00
7.7	1.3865E-01	-2.1036E-01	2.1843E+00	3.3141E+00
7.8	1.3678E-01	-2.0781E-01	2.2099E+00	3.3575E+00
7.9	1.3497E-01	-2.0534E-01	2.2353E+00	3.4008E+00
8.0	1.3320E-01	-2.0293E-01	2.2607E+00	3.4440E+00
8.1	1.3148E-01	-2.0058E-01	2.2859E+00	3.4872E+00
8.2	1.2980E-01	-1.9829E-01	2.3110E+00	3.5304E+00
8.3	1.2816E-01	-1.9605E-01	2.3361E+00	3.5736E+00
8.4	1.2656E-01	-1.9387E-01	2.3611E+00	3.6168E+00
8.5	1.2500E-01	-1.9174E-01	2.3860E+00	3.6600E+00
8.6	1.2347E-01	-1.8966E-01	2.4108E+00	3.7033E+00
8.7	1.2197E-01	-1.8762E-01	2.4356E+00	3.7465E+00
8.8	1.2051E-01	-1.8563E-01	2.4604E+00	3.7898E+00
8.9	1.1908E-01	-1.8367E-01	2.4852E+00	3.8332E+00
9.0	1.1768E-01	-1.8176E-01	2.5099E+00	3.8766E+00
9.1	1.1632E-01	-1.7989E-01	2.5347E+00	3.9200E+00
9.2	1.1498E-01	-1.7806E-01	2.5594E+00	3.9635E+00
9.3	1.1367E-01	-1.7626E-01	2.5842E+00	4.0070E+00
9.4	1.1239E-01	-1.7449E-01	2.6089E+00	4.0505E+00
9.5	1.1114E-01	-1.7276E-01	2.6337E+00	4.0941E+00
9.6	1.0991E-01	-1.7106E-01	2.6585E+00	4.1376E+00
9.7	1.0871E-01	-1.6940E-01	2.6833E+00	4.1812E+00
9.8	1.0754E-01	-1.6776E-01	2.7082E+00	4.2248E+00
9.9	1.0639E-01	-1.6616E-01	2.7330E+00	4.2684E+00
10.0	1.0527E-01	-1.6459E-01	2.7579E+00	4.3119E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	1.0527E-01	-1.6459E-01	2.7579E+00	4.3119E+00
10.1	1.0417E-01	-1.6304E-01	2.7828E+00	4.3555E+00
10.2	1.0309E-01	-1.6152E-01	2.8077E+00	4.3991E+00
10.3	1.0204E-01	-1.6003E-01	2.8327E+00	4.4426E+00
10.4	1.0101E-01	-1.5857E-01	2.8576E+00	4.4862E+00
10.5	9.9994E-02	-1.5713E-01	2.8826E+00	4.5297E+00
10.6	9.9003E-02	-1.5572E-01	2.9075E+00	4.5732E+00
10.7	9.8031E-02	-1.5433E-01	2.9325E+00	4.6167E+00
10.8	9.7079E-02	-1.5297E-01	2.9575E+00	4.6602E+00
10.9	9.6146E-02	-1.5164E-01	2.9824E+00	4.7037E+00
11.0	9.5230E-02	-1.5032E-01	3.0074E+00	4.7472E+00
11.1	9.4332E-02	-1.4903E-01	3.0324E+00	4.7907E+00
11.2	9.3451E-02	-1.4776E-01	3.0574E+00	4.8341E+00
11.3	9.2586E-02	-1.4651E-01	3.0823E+00	4.8776E+00
11.4	9.1738E-02	-1.4528E-01	3.1073E+00	4.9210E+00
11.5	9.0904E-02	-1.4408E-01	3.1323E+00	4.9644E+00
11.6	9.0086E-02	-1.4289E-01	3.1572E+00	5.0079E+00
11.7	8.9282E-02	-1.4172E-01	3.1822E+00	5.0513E+00
11.8	8.8493E-02	-1.4057E-01	3.2072E+00	5.0947E+00
11.9	8.7717E-02	-1.3944E-01	3.2321E+00	5.1381E+00
12.0	8.6955E-02	-1.3833E-01	3.2571E+00	5.1816E+00
12.1	8.6206E-02	-1.3724E-01	3.2820E+00	5.2250E+00
12.2	8.5469E-02	-1.3616E-01	3.3070E+00	5.2684E+00
12.3	8.4745E-02	-1.3510E-01	3.3319E+00	5.3118E+00
12.4	8.4033E-02	-1.3406E-01	3.3569E+00	5.3552E+00
12.5	8.3333E-02	-1.3303E-01	3.3818E+00	5.3986E+00
12.6	8.2644E-02	-1.3202E-01	3.4068E+00	5.4420E+00
12.7	8.1967E-02	-1.3102E-01	3.4317E+00	5.4855E+00
12.8	8.1301E-02	-1.3004E-01	3.4567E+00	5.5289E+00
12.9	8.0645E-02	-1.2907E-01	3.4816E+00	5.5723E+00
13.0	8.0000E-02	-1.2812E-01	3.5066E+00	5.6157E+00
13.1	7.9365E-02	-1.2718E-01	3.5315E+00	5.6591E+00
13.2	7.8740E-02	-1.2625E-01	3.5565E+00	5.7025E+00
13.3	7.8125E-02	-1.2534E-01	3.5814E+00	5.7459E+00
13.4	7.7519E-02	-1.2444E-01	3.6064E+00	5.7893E+00
13.5	7.6923E-02	-1.2356E-01	3.6313E+00	5.8327E+00
13.6	7.6335E-02	-1.2268E-01	3.6563E+00	5.8762E+00
13.7	7.5757E-02	-1.2182E-01	3.6812E+00	5.9196E+00
13.8	7.5187E-02	-1.2097E-01	3.7062E+00	5.9630E+00
13.9	7.4626E-02	-1.2013E-01	3.7312E+00	6.0064E+00
14.0	7.4073E-02	-1.1931E-01	3.7561E+00	6.0498E+00
14.1	7.3529E-02	-1.1849E-01	3.7811E+00	6.0932E+00
14.2	7.2992E-02	-1.1769E-01	3.8060E+00	6.1366E+00
14.3	7.2463E-02	-1.1689E-01	3.8310E+00	6.1799E+00
14.4	7.1942E-02	-1.1611E-01	3.8560E+00	6.2233E+00
14.5	7.1428E-02	-1.1534E-01	3.8809E+00	6.2667E+00
14.6	7.0921E-02	-1.1458E-01	3.9059E+00	6.3101E+00
14.7	7.0422E-02	-1.1382E-01	3.9309E+00	6.3535E+00
14.8	6.9930E-02	-1.1308E-01	3.9558E+00	6.3969E+00
14.9	6.9444E-02	-1.1235E-01	3.9808E+00	6.4403E+00
15.0	6.8965E-02	-1.1163E-01	4.0058E+00	6.4837E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	6.8965E-02	-1.1163E-01	4.0058E+00	6.4837E+00
15.1	6.8493E-02	-1.1091E-01	4.0307E+00	6.5270E+00
15.2	6.8027E-02	-1.1021E-01	4.0557E+00	6.5704E+00
15.3	6.7567E-02	-1.0951E-01	4.0807E+00	6.6138E+00
15.4	6.7114E-02	-1.0882E-01	4.1056E+00	6.6572E+00
15.5	6.6666E-02	-1.0814E-01	4.1306E+00	6.7006E+00
15.6	6.6225E-02	-1.0747E-01	4.1556E+00	6.7439E+00
15.7	6.5789E-02	-1.0681E-01	4.1805E+00	6.7873E+00
15.8	6.5359E-02	-1.0616E-01	4.2055E+00	6.8307E+00
15.9	6.4935E-02	-1.0551E-01	4.2305E+00	6.8741E+00
16.0	6.4516E-02	-1.0487E-01	4.2554E+00	6.9174E+00
16.1	6.4102E-02	-1.0424E-01	4.2804E+00	6.9608E+00
16.2	6.3694E-02	-1.0362E-01	4.3054E+00	7.0042E+00
16.3	6.3291E-02	-1.0300E-01	4.3303E+00	7.0475E+00
16.4	6.2893E-02	-1.0240E-01	4.3553E+00	7.0909E+00
16.5	6.2500E-02	-1.0179E-01	4.3803E+00	7.1343E+00
16.6	6.2112E-02	-1.0120E-01	4.4053E+00	7.1776E+00
16.7	6.1728E-02	-1.0061E-01	4.4302E+00	7.2210E+00
16.8	6.1349E-02	-1.0003E-01	4.4552E+00	7.2644E+00
16.9	6.0975E-02	-9.9459E-02	4.4802E+00	7.3077E+00
17.0	6.0606E-02	-9.8892E-02	4.5051E+00	7.3511E+00
17.1	6.0241E-02	-9.8331E-02	4.5301E+00	7.3945E+00
17.2	5.9880E-02	-9.7776E-02	4.5551E+00	7.4378E+00
17.3	5.9524E-02	-9.7228E-02	4.5801E+00	7.4812E+00
17.4	5.9171E-02	-9.6685E-02	4.6050E+00	7.5246E+00
17.5	5.8823E-02	-9.6149E-02	4.6300E+00	7.5679E+00
17.6	5.8479E-02	-9.5619E-02	4.6550E+00	7.6113E+00
17.7	5.8139E-02	-9.5094E-02	4.6800E+00	7.6546E+00
17.8	5.7803E-02	-9.4575E-02	4.7049E+00	7.6980E+00
17.9	5.7471E-02	-9.4062E-02	4.7299E+00	7.7414E+00
18.0	5.7143E-02	-9.3554E-02	4.7549E+00	7.7847E+00
18.1	5.6818E-02	-9.3052E-02	4.7799E+00	7.8281E+00
18.2	5.6497E-02	-9.2555E-02	4.8048E+00	7.8714E+00
18.3	5.6180E-02	-9.2064E-02	4.8298E+00	7.9148E+00
18.4	5.5866E-02	-9.1577E-02	4.8548E+00	7.9581E+00
18.5	5.5555E-02	-9.1096E-02	4.8798E+00	8.0015E+00
18.6	5.5248E-02	-9.0620E-02	4.9047E+00	8.0448E+00
18.7	5.4945E-02	-9.0148E-02	4.9297E+00	8.0882E+00
18.8	5.4645E-02	-8.9682E-02	4.9547E+00	8.1315E+00
18.9	5.4348E-02	-8.9220E-02	4.9797E+00	8.1749E+00
19.0	5.4054E-02	-8.8763E-02	5.0046E+00	8.2182E+00
19.1	5.3763E-02	-8.8311E-02	5.0296E+00	8.2616E+00
19.2	5.3476E-02	-8.7863E-02	5.0546E+00	8.3049E+00
19.3	5.3191E-02	-8.7420E-02	5.0796E+00	8.3483E+00
19.4	5.2910E-02	-8.6982E-02	5.1045E+00	8.3916E+00
19.5	5.2631E-02	-8.6547E-02	5.1295E+00	8.4350E+00
19.6	5.2356E-02	-8.6117E-02	5.1545E+00	8.4783E+00
19.7	5.2083E-02	-8.5691E-02	5.1795E+00	8.5217E+00
19.8	5.1813E-02	-8.5270E-02	5.2045E+00	8.5650E+00
19.9	5.1546E-02	-8.4852E-02	5.2294E+00	8.6084E+00
20.0	5.1282E-02	-8.4439E-02	5.2544E+00	8.6517E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	1.0008E+00	-9.5961E-04	9.9920E-01	9.5807E-04
0.2	1.0032E+00	-3.8632E-03	9.9679E-01	3.8384E-03
0.3	1.0072E+00	-8.7855E-03	9.9278E-01	8.6597E-03
0.4	1.0128E+00	-1.5853E-02	9.8717E-01	1.5453E-02
0.5	1.0198E+00	-2.5248E-02	9.7997E-01	2.4262E-02
0.6	1.0283E+00	-3.7210E-02	9.7121E-01	3.5144E-02
0.7	1.0381E+00	-5.2042E-02	9.6088E-01	4.8170E-02
0.8	1.0490E+00	-7.0109E-02	9.4902E-01	6.3426E-02
0.9	1.0608E+00	-9.1844E-02	9.3567E-01	8.1010E-02
1.0	1.0730E+00	-1.1773E-01	9.2086E-01	1.0104E-01
1.1	1.0851E+00	-1.4831E-01	9.0465E-01	1.2364E-01
1.2	1.0963E+00	-1.8411E-01	8.8711E-01	1.4897E-01
1.3	1.1056E+00	-2.2560E-01	8.6833E-01	1.7718E-01
1.4	1.1116E+00	-2.7311E-01	8.4843E-01	2.0846E-01
1.5	1.1125E+00	-3.2665E-01	8.2755E-01	2.4299E-01
1.6	1.1064E+00	-3.8576E-01	8.0588E-01	2.8098E-01
1.7	1.0911E+00	-4.4926E-01	7.8363E-01	3.2266E-01
1.8	1.0647E+00	-5.1510E-01	7.6109E-01	3.6822E-01
1.9	1.0256E+00	-5.8028E-01	7.3859E-01	4.1788E-01
2.0	9.7348E-01	-6.4106E-01	7.1652E-01	4.7185E-01
2.1	9.0931E-01	-6.9343E-01	6.9535E-01	5.3027E-01
2.2	8.3570E-01	-7.3383E-01	6.7564E-01	5.9328E-01
2.3	7.5652E-01	-7.5987E-01	6.5800E-01	6.6091E-01
2.4	6.7622E-01	-7.7081E-01	6.4315E-01	7.3311E-01
2.5	5.9899E-01	-7.6762E-01	6.3182E-01	8.0970E-01
2.6	5.2814E-01	-7.5254E-01	6.2483E-01	8.9032E-01
2.7	4.6572E-01	-7.2848E-01	6.2297E-01	9.7446E-01
2.8	4.1260E-01	-6.9844E-01	6.2699E-01	1.0614E+00
2.9	3.6869E-01	-6.6512E-01	6.3752E-01	1.1501E+00
3.0	3.3328E-01	-6.3067E-01	6.5501E-01	1.2395E+00
3.1	3.0532E-01	-5.9666E-01	6.7967E-01	1.3282E+00
3.2	2.8365E-01	-5.6416E-01	7.1138E-01	1.4149E+00
3.3	2.6713E-01	-5.3383E-01	7.4967E-01	1.4981E+00
3.4	2.5475E-01	-5.0602E-01	7.9372E-01	1.5766E+00
3.5	2.4561E-01	-4.8087E-01	8.4239E-01	1.6493E+00
3.6	2.3895E-01	-4.5836E-01	8.9431E-01	1.7155E+00
3.7	2.3417E-01	-4.3839E-01	9.4796E-01	1.7747E+00
3.8	2.3073E-01	-4.2081E-01	1.0018E+00	1.8271E+00
3.9	2.2824E-01	-4.0541E-01	1.0545E+00	1.8730E+00
4.0	2.2636E-01	-3.9201E-01	1.1047E+00	1.9131E+00
4.1	2.2481E-01	-3.8038E-01	1.1515E+00	1.9484E+00
4.2	2.2339E-01	-3.7033E-01	1.1943E+00	1.9799E+00
4.3	2.2194E-01	-3.6165E-01	1.2327E+00	2.0086E+00
4.4	2.2032E-01	-3.5414E-01	1.2665E+00	2.0358E+00
4.5	2.1845E-01	-3.4762E-01	1.2960E+00	2.0623E+00
4.6	2.1627E-01	-3.4191E-01	1.3213E+00	2.0889E+00
4.7	2.1375E-01	-3.3685E-01	1.3430E+00	2.1165E+00
4.8	2.1086E-01	-3.3229E-01	1.3614E+00	2.1455E+00
4.9	2.0764E-01	-3.2810E-01	1.3772E+00	2.1763E+00
5.0	2.0409E-01	-3.2416E-01	1.3909E+00	2.2092E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	2.0409E-01	-3.2416E-01	1.3909E+00	2.2092E+00
5.1	2.0026E-01	-3.2037E-01	1.4030E+00	2.2444E+00
5.2	1.9620E-01	-3.1664E-01	1.4140E+00	2.2820E+00
5.3	1.9197E-01	-3.1292E-01	1.4244E+00	2.3219E+00
5.4	1.8762E-01	-3.0915E-01	1.4347E+00	2.3640E+00
5.5	1.8322E-01	-3.0530E-01	1.4452E+00	2.4081E+00
5.6	1.7882E-01	-3.0137E-01	1.4562E+00	2.4542E+00
5.7	1.7447E-01	-2.9733E-01	1.4680E+00	2.5018E+00
5.8	1.7022E-01	-2.9321E-01	1.4809E+00	2.5508E+00
5.9	1.6611E-01	-2.8901E-01	1.4949E+00	2.6009E+00
6.0	1.6216E-01	-2.8475E-01	1.5101E+00	2.6518E+00
6.1	1.5839E-01	-2.8047E-01	1.5267E+00	2.7033E+00
6.2	1.5483E-01	-2.7618E-01	1.5445E+00	2.7550E+00
6.3	1.5146E-01	-2.7190E-01	1.5636E+00	2.8068E+00
6.4	1.4830E-01	-2.6767E-01	1.5838E+00	2.8585E+00
6.5	1.4534E-01	-2.6349E-01	1.6050E+00	2.9098E+00
6.6	1.4257E-01	-2.5941E-01	1.6272E+00	2.9606E+00
6.7	1.3998E-01	-2.5541E-01	1.6501E+00	3.0109E+00
6.8	1.3755E-01	-2.5153E-01	1.6736E+00	3.0604E+00
6.9	1.3528E-01	-2.4777E-01	1.6976E+00	3.1092E+00
7.0	1.3314E-01	-2.4413E-01	1.7218E+00	3.1572E+00
7.1	1.3111E-01	-2.4061E-01	1.7462E+00	3.2046E+00
7.2	1.2919E-01	-2.3723E-01	1.7705E+00	3.2512E+00
7.3	1.2736E-01	-2.3397E-01	1.7948E+00	3.2972E+00
7.4	1.2560E-01	-2.3083E-01	1.8188E+00	3.3426E+00
7.5	1.2391E-01	-2.2781E-01	1.8425E+00	3.3875E+00
7.6	1.2227E-01	-2.2490E-01	1.8659E+00	3.4320E+00
7.7	1.2068E-01	-2.2209E-01	1.8889E+00	3.4763E+00
7.8	1.1912E-01	-2.1938E-01	1.9115E+00	3.5203E+00
7.9	1.1760E-01	-2.1677E-01	1.9337E+00	3.5642E+00
8.0	1.1611E-01	-2.1423E-01	1.9555E+00	3.6080E+00
8.1	1.1464E-01	-2.1177E-01	1.9769E+00	3.6519E+00
8.2	1.1320E-01	-2.0938E-01	1.9981E+00	3.6958E+00
8.3	1.1177E-01	-2.0705E-01	2.0189E+00	3.7399E+00
8.4	1.1037E-01	-2.0478E-01	2.0395E+00	3.7841E+00
8.5	1.0898E-01	-2.0256E-01	2.0599E+00	3.8286E+00
8.6	1.0762E-01	-2.0038E-01	2.0802E+00	3.8732E+00
8.7	1.0628E-01	-1.9826E-01	2.1004E+00	3.9180E+00
8.8	1.0496E-01	-1.9617E-01	2.1205E+00	3.9631E+00
8.9	1.0367E-01	-1.9412E-01	2.1406E+00	4.0083E+00
9.0	1.0240E-01	-1.9210E-01	2.1608E+00	4.0537E+00
9.1	1.0115E-01	-1.9013E-01	2.1810E+00	4.0993E+00
9.2	9.9936E-02	-1.8818E-01	2.2013E+00	4.1450E+00
9.3	9.8745E-02	-1.8627E-01	2.2217E+00	4.1909E+00
9.4	9.7581E-02	-1.8439E-01	2.2422E+00	4.2368E+00
9.5	9.6444E-02	-1.8254E-01	2.2628E+00	4.2827E+00
9.6	9.5335E-02	-1.8072E-01	2.2835E+00	4.3288E+00
9.7	9.4252E-02	-1.7894E-01	2.3043E+00	4.3748E+00
9.8	9.3196E-02	-1.7718E-01	2.3253E+00	4.4208E+00
9.9	9.2166E-02	-1.7546E-01	2.3463E+00	4.4668E+00
10.0	9.1162E-02	-1.7377E-01	2.3674E+00	4.5127E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	9.1162E-02	-1.7377E-01	2.3674E+00	4.5127E+00
10.1	9.0181E-02	-1.7211E-01	2.3886E+00	4.5587E+00
10.2	8.9225E-02	-1.7048E-01	2.4099E+00	4.6045E+00
10.3	8.8291E-02	-1.6888E-01	2.4312E+00	4.6503E+00
10.4	8.7379E-02	-1.6731E-01	2.4525E+00	4.6960E+00
10.5	8.6487E-02	-1.6577E-01	2.4738E+00	4.7417E+00
10.6	8.5616E-02	-1.6426E-01	2.4952E+00	4.7873E+00
10.7	8.4763E-02	-1.6278E-01	2.5165E+00	4.8328E+00
10.8	8.3927E-02	-1.6133E-01	2.5379E+00	4.8783E+00
10.9	8.3109E-02	-1.5990E-01	2.5592E+00	4.9238E+00
11.0	8.2307E-02	-1.5850E-01	2.5804E+00	4.9692E+00
11.1	8.1521E-02	-1.5712E-01	2.6017E+00	5.0146E+00
11.2	8.0749E-02	-1.5577E-01	2.6229E+00	5.0599E+00
11.3	7.9992E-02	-1.5445E-01	2.6441E+00	5.1052E+00
11.4	7.9248E-02	-1.5314E-01	2.6653E+00	5.1506E+00
11.5	7.8518E-02	-1.5186E-01	2.6864E+00	5.1959E+00
11.6	7.7800E-02	-1.5060E-01	2.7076E+00	5.2412E+00
11.7	7.7095E-02	-1.4937E-01	2.7286E+00	5.2866E+00
11.8	7.6402E-02	-1.4815E-01	2.7497E+00	5.3319E+00
11.9	7.5720E-02	-1.4695E-01	2.7708E+00	5.3773E+00
12.0	7.5051E-02	-1.4577E-01	2.7918E+00	5.4226E+00
12.1	7.4392E-02	-1.4461E-01	2.8128E+00	5.4680E+00
12.2	7.3744E-02	-1.4347E-01	2.8339E+00	5.5134E+00
12.3	7.3107E-02	-1.4235E-01	2.8549E+00	5.5588E+00
12.4	7.2481E-02	-1.4124E-01	2.8759E+00	5.6042E+00
12.5	7.1865E-02	-1.4015E-01	2.8969E+00	5.6497E+00
12.6	7.1259E-02	-1.3908E-01	2.9180E+00	5.6951E+00
12.7	7.0663E-02	-1.3802E-01	2.9390E+00	5.7405E+00
12.8	7.0078E-02	-1.3698E-01	2.9601E+00	5.7860E+00
12.9	6.9501E-02	-1.3595E-01	2.9811E+00	5.8315E+00
13.0	6.8934E-02	-1.3494E-01	3.0022E+00	5.8769E+00
13.1	6.8377E-02	-1.3395E-01	3.0233E+00	5.9224E+00
13.2	6.7828E-02	-1.3296E-01	3.0443E+00	5.9678E+00
13.3	6.7288E-02	-1.3200E-01	3.0654E+00	6.0133E+00
13.4	6.6757E-02	-1.3104E-01	3.0865E+00	6.0588E+00
13.5	6.6234E-02	-1.3010E-01	3.1076E+00	6.1042E+00
13.6	6.5720E-02	-1.2917E-01	3.1287E+00	6.1497E+00
13.7	6.5213E-02	-1.2826E-01	3.1499E+00	6.1951E+00
13.8	6.4715E-02	-1.2736E-01	3.1710E+00	6.2405E+00
13.9	6.4224E-02	-1.2647E-01	3.1921E+00	6.2860E+00
14.0	6.3740E-02	-1.2559E-01	3.2132E+00	6.3314E+00
14.1	6.3264E-02	-1.2473E-01	3.2343E+00	6.3768E+00
14.2	6.2795E-02	-1.2388E-01	3.2554E+00	6.4222E+00
14.3	6.2332E-02	-1.2304E-01	3.2766E+00	6.4676E+00
14.4	6.1877E-02	-1.2221E-01	3.2977E+00	6.5130E+00
14.5	6.1428E-02	-1.2139E-01	3.3188E+00	6.5584E+00
14.6	6.0986E-02	-1.2058E-01	3.3399E+00	6.6038E+00
14.7	6.0550E-02	-1.1979E-01	3.3610E+00	6.6492E+00
14.8	6.0120E-02	-1.1900E-01	3.3821E+00	6.6946E+00
14.9	5.9696E-02	-1.1823E-01	3.4032E+00	6.7400E+00
15.0	5.9278E-02	-1.1746E-01	3.4244E+00	6.7854E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	5.9278E-02	-1.1746E-01	3.4244E+00	6.7854E+00
15.1	5.8866E-02	-1.1670E-01	3.4455E+00	6.8308E+00
15.2	5.8459E-02	-1.1596E-01	3.4666E+00	6.8762E+00
15.3	5.8058E-02	-1.1522E-01	3.4877E+00	6.9216E+00
15.4	5.7663E-02	-1.1449E-01	3.5088E+00	6.9670E+00
15.5	5.7272E-02	-1.1378E-01	3.5299E+00	7.0123E+00
15.6	5.6888E-02	-1.1307E-01	3.5510E+00	7.0577E+00
15.7	5.6508E-02	-1.1237E-01	3.5721E+00	7.1031E+00
15.8	5.6133E-02	-1.1167E-01	3.5932E+00	7.1485E+00
15.9	5.5763E-02	-1.1099E-01	3.6143E+00	7.1939E+00
16.0	5.5398E-02	-1.1032E-01	3.6354E+00	7.2393E+00
16.1	5.5037E-02	-1.0965E-01	3.6565E+00	7.2847E+00
16.2	5.4682E-02	-1.0899E-01	3.6776E+00	7.3301E+00
16.3	5.4331E-02	-1.0834E-01	3.6987E+00	7.3754E+00
16.4	5.3984E-02	-1.0770E-01	3.7198E+00	7.4208E+00
16.5	5.3642E-02	-1.0706E-01	3.7409E+00	7.4662E+00
16.6	5.3304E-02	-1.0643E-01	3.7620E+00	7.5116E+00
16.7	5.2970E-02	-1.0581E-01	3.7831E+00	7.5570E+00
16.8	5.2640E-02	-1.0520E-01	3.8042E+00	7.6024E+00
16.9	5.2315E-02	-1.0459E-01	3.8253E+00	7.6478E+00
17.0	5.1993E-02	-1.0399E-01	3.8464E+00	7.6931E+00
17.1	5.1676E-02	-1.0340E-01	3.8676E+00	7.7385E+00
17.2	5.1362E-02	-1.0281E-01	3.8887E+00	7.7839E+00
17.3	5.1052E-02	-1.0223E-01	3.9098E+00	7.8293E+00
17.4	5.0746E-02	-1.0166E-01	3.9309E+00	7.8747E+00
17.5	5.0443E-02	-1.0109E-01	3.9520E+00	7.9200E+00
17.6	5.0144E-02	-1.0053E-01	3.9731E+00	7.9654E+00
17.7	4.9849E-02	-9.9977E-02	3.9942E+00	8.0108E+00
17.8	4.9557E-02	-9.9429E-02	4.0153E+00	8.0562E+00
17.9	4.9268E-02	-9.8886E-02	4.0364E+00	8.1015E+00
18.0	4.8983E-02	-9.8350E-02	4.0576E+00	8.1469E+00
18.1	4.8701E-02	-9.7819E-02	4.0787E+00	8.1923E+00
18.2	4.8422E-02	-9.7295E-02	4.0998E+00	8.2376E+00
18.3	4.8147E-02	-9.6775E-02	4.1209E+00	8.2830E+00
18.4	4.7874E-02	-9.6262E-02	4.1420E+00	8.3284E+00
18.5	4.7605E-02	-9.5753E-02	4.1631E+00	8.3738E+00
18.6	4.7339E-02	-9.5250E-02	4.1842E+00	8.4191E+00
18.7	4.7075E-02	-9.4753E-02	4.2053E+00	8.4645E+00
18.8	4.6815E-02	-9.4260E-02	4.2265E+00	8.5099E+00
18.9	4.6557E-02	-9.3773E-02	4.2476E+00	8.5552E+00
19.0	4.6302E-02	-9.3290E-02	4.2687E+00	8.6006E+00
19.1	4.6050E-02	-9.2813E-02	4.2898E+00	8.6460E+00
19.2	4.5801E-02	-9.2340E-02	4.3109E+00	8.6913E+00
19.3	4.5554E-02	-9.1872E-02	4.3320E+00	8.7367E+00
19.4	4.5310E-02	-9.1409E-02	4.3531E+00	8.7821E+00
19.5	4.5069E-02	-9.0951E-02	4.3742E+00	8.8274E+00
19.6	4.4830E-02	-9.0497E-02	4.3954E+00	8.8728E+00
19.7	4.4593E-02	-9.0047E-02	4.4165E+00	8.9181E+00
19.8	4.4360E-02	-8.9602E-02	4.4376E+00	8.9635E+00
19.9	4.4128E-02	-8.9162E-02	4.4587E+00	9.0089E+00
20.0	4.3899E-02	-8.8725E-02	4.4798E+00	9.0542E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	1.0010E+00	-8.0554E-04	9.9904E-01	8.0400E-04
0.2	1.0038E+00	-3.2470E-03	9.9617E-01	3.2222E-03
0.3	1.0086E+00	-7.3998E-03	9.9137E-01	7.2731E-03
0.4	1.0154E+00	-1.3394E-02	9.8466E-01	1.2988E-02
0.5	1.0241E+00	-2.1419E-02	9.7601E-01	2.0412E-02
0.6	1.0348E+00	-3.1732E-02	9.6542E-01	2.9603E-02
0.7	1.0475E+00	-4.4673E-02	9.5288E-01	4.0636E-02
0.8	1.0622E+00	-6.0670E-02	9.3839E-01	5.3599E-02
0.9	1.0787E+00	-8.0264E-02	9.2194E-01	6.8600E-02
1.0	1.0969E+00	-1.0412E-01	9.0352E-01	8.5766E-02
1.1	1.1165E+00	-1.3305E-01	8.8315E-01	1.0525E-01
1.2	1.1369E+00	-1.6800E-01	8.6082E-01	1.2721E-01
1.3	1.1572E+00	-2.1006E-01	8.3656E-01	1.5185E-01
1.4	1.1763E+00	-2.6039E-01	8.1041E-01	1.7940E-01
1.5	1.1921E+00	-3.2012E-01	7.8243E-01	2.1011E-01
1.6	1.2020E+00	-3.9006E-01	7.5271E-01	2.4427E-01
1.7	1.2023E+00	-4.7033E-01	7.2137E-01	2.8220E-01
1.8	1.1887E+00	-5.5977E-01	6.8858E-01	3.2427E-01
1.9	1.1565E+00	-6.5520E-01	6.5459E-01	3.7086E-01
2.0	1.1018E+00	-7.5099E-01	6.1971E-01	4.2241E-01
2.1	1.0229E+00	-8.3912E-01	5.8436E-01	4.7935E-01
2.2	9.2220E-01	-9.1055E-01	5.4907E-01	5.4214E-01
2.3	8.0604E-01	-9.5751E-01	5.1454E-01	6.1123E-01
2.4	6.8417E-01	-9.7596E-01	4.8161E-01	6.8701E-01
2.5	5.6681E-01	-9.6672E-01	4.5135E-01	7.6979E-01
2.6	4.6209E-01	-9.3476E-01	4.2499E-01	8.5971E-01
2.7	3.7461E-01	-8.8709E-01	4.0399E-01	9.5668E-01
2.8	3.0557E-01	-8.3077E-01	3.8998E-01	1.0603E+00
2.9	2.5374E-01	-7.7154E-01	3.8466E-01	1.1696E+00
3.0	2.1664E-01	-7.1344E-01	3.8970E-01	1.2833E+00
3.1	1.9144E-01	-6.5895E-01	4.0657E-01	1.3994E+00
3.2	1.7545E-01	-6.0938E-01	4.3630E-01	1.5154E+00
3.3	1.6635E-01	-5.6521E-01	4.7921E-01	1.6282E+00
3.4	1.6229E-01	-5.2646E-01	5.3475E-01	1.7346E+00
3.5	1.6181E-01	-4.9285E-01	6.0133E-01	1.8316E+00
3.6	1.6377E-01	-4.6399E-01	6.7644E-01	1.9164E+00
3.7	1.6733E-01	-4.3944E-01	7.5677E-01	1.9874E+00
3.8	1.7183E-01	-4.1875E-01	8.3867E-01	2.0439E+00
3.9	1.7676E-01	-4.0150E-01	9.1850E-01	2.0863E+00
4.0	1.8174E-01	-3.8727E-01	9.9306E-01	2.1161E+00
4.1	1.8647E-01	-3.7571E-01	1.0599E+00	2.1356E+00
4.2	1.9070E-01	-3.6648E-01	1.1173E+00	2.1473E+00
4.3	1.9424E-01	-3.5924E-01	1.1647E+00	2.1539E+00
4.4	1.9695E-01	-3.5369E-01	1.2018E+00	2.1581E+00
4.5	1.9872E-01	-3.4954E-01	1.2292E+00	2.1621E+00
4.6	1.9947E-01	-3.4650E-01	1.2479E+00	2.1676E+00
4.7	1.9917E-01	-3.4429E-01	1.2589E+00	2.1762E+00
4.8	1.9781E-01	-3.4266E-01	1.2636E+00	2.1889E+00
4.9	1.9542E-01	-3.4135E-01	1.2632E+00	2.2064E+00
5.0	1.9209E-01	-3.4013E-01	1.2589E+00	2.2291E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	1.9209E-01	-3.4013E-01	1.2589E+00	2.2291E+00
5.1	1.8792E-01	-3.3880E-01	1.2520E+00	2.2571E+00
5.2	1.8304E-01	-3.3720E-01	1.2434E+00	2.2906E+00
5.3	1.7761E-01	-3.3520E-01	1.2342E+00	2.3293E+00
5.4	1.7179E-01	-3.3269E-01	1.2254E+00	2.3730E+00
5.5	1.6576E-01	-3.2965E-01	1.2175E+00	2.4213E+00
5.6	1.5967E-01	-3.2606E-01	1.2114E+00	2.4737E+00
5.7	1.5368E-01	-3.2195E-01	1.2075E+00	2.5297E+00
5.8	1.4790E-01	-3.1737E-01	1.2063E+00	2.5887E+00
5.9	1.4244E-01	-3.1240E-01	1.2083E+00	2.6501E+00
6.0	1.3737E-01	-3.0713E-01	1.2135E+00	2.7132E+00
6.1	1.3273E-01	-3.0164E-01	1.2222E+00	2.7774E+00
6.2	1.2856E-01	-2.9603E-01	1.2342E+00	2.8421E+00
6.3	1.2485E-01	-2.9038E-01	1.2496E+00	2.9065E+00
6.4	1.2158E-01	-2.8477E-01	1.2681E+00	2.9702E+00
6.5	1.1874E-01	-2.7927E-01	1.2894E+00	3.0325E+00
6.6	1.1628E-01	-2.7393E-01	1.3130E+00	3.0932E+00
6.7	1.1415E-01	-2.6879E-01	1.3386E+00	3.1519E+00
6.8	1.1232E-01	-2.6388E-01	1.3656E+00	3.2082E+00
6.9	1.1074E-01	-2.5923E-01	1.3936E+00	3.2622E+00
7.0	1.0936E-01	-2.5484E-01	1.4220E+00	3.3138E+00
7.1	1.0813E-01	-2.5072E-01	1.4504E+00	3.3630E+00
7.2	1.0702E-01	-2.4685E-01	1.4784E+00	3.4101E+00
7.3	1.0598E-01	-2.4324E-01	1.5055E+00	3.4552E+00
7.4	1.0500E-01	-2.3986E-01	1.5315E+00	3.4987E+00
7.5	1.0403E-01	-2.3670E-01	1.5562E+00	3.5408E+00
7.6	1.0306E-01	-2.3373E-01	1.5795E+00	3.5820E+00
7.7	1.0208E-01	-2.3094E-01	1.6012E+00	3.6224E+00
7.8	1.0106E-01	-2.2830E-01	1.6213E+00	3.6626E+00
7.9	1.0000E-01	-2.2578E-01	1.6399E+00	3.7027E+00
8.0	9.8897E-02	-2.2338E-01	1.6572E+00	3.7430E+00
8.1	9.7751E-02	-2.2106E-01	1.6732E+00	3.7839E+00
8.2	9.6561E-02	-2.1880E-01	1.6882E+00	3.8253E+00
8.3	9.5335E-02	-2.1660E-01	1.7023E+00	3.8676E+00
8.4	9.4077E-02	-2.1444E-01	1.7157E+00	3.9107E+00
8.5	9.2798E-02	-2.1230E-01	1.7286E+00	3.9547E+00
8.6	9.1504E-02	-2.1018E-01	1.7413E+00	3.9997E+00
8.7	9.0207E-02	-2.0807E-01	1.7539E+00	4.0457E+00
8.8	8.8914E-02	-2.0597E-01	1.7666E+00	4.0924E+00
8.9	8.7635E-02	-2.0387E-01	1.7796E+00	4.1400E+00
9.0	8.6377E-02	-2.0178E-01	1.7929E+00	4.1883E+00
9.1	8.5148E-02	-1.9970E-01	1.8066E+00	4.2372E+00
9.2	8.3953E-02	-1.9763E-01	1.8209E+00	4.2865E+00
9.3	8.2796E-02	-1.9557E-01	1.8358E+00	4.3361E+00
9.4	8.1680E-02	-1.9352E-01	1.8512E+00	4.3860E+00
9.5	8.0608E-02	-1.9150E-01	1.8672E+00	4.4359E+00
9.6	7.9580E-02	-1.8950E-01	1.8838E+00	4.4859E+00
9.7	7.8595E-02	-1.8753E-01	1.9009E+00	4.5357E+00
9.8	7.7652E-02	-1.8560E-01	1.9184E+00	4.5853E+00
9.9	7.6750E-02	-1.8370E-01	1.9364E+00	4.6347E+00
10.0	7.5886E-02	-1.8184E-01	1.9547E+00	4.6837E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	7.5886E-02	-1.8184E-01	1.9547E+00	4.6837E+00
10.1	7.5057E-02	-1.8001E-01	1.9732E+00	4.7324E+00
10.2	7.4260E-02	-1.7823E-01	1.9918E+00	4.7807E+00
10.3	7.3491E-02	-1.7650E-01	2.0106E+00	4.8287E+00
10.4	7.2747E-02	-1.7480E-01	2.0294E+00	4.8763E+00
10.5	7.2025E-02	-1.7315E-01	2.0481E+00	4.9235E+00
10.6	7.1322E-02	-1.7153E-01	2.0667E+00	4.9705E+00
10.7	7.0635E-02	-1.6996E-01	2.0852E+00	5.0172E+00
10.8	6.9963E-02	-1.6842E-01	2.1034E+00	5.0637E+00
10.9	6.9302E-02	-1.6692E-01	2.1215E+00	5.1100E+00
11.0	6.8651E-02	-1.6546E-01	2.1394E+00	5.1562E+00
11.1	6.8008E-02	-1.6402E-01	2.1570E+00	5.2023E+00
11.2	6.7373E-02	-1.6262E-01	2.1744E+00	5.2484E+00
11.3	6.6746E-02	-1.6125E-01	2.1916E+00	5.2945E+00
11.4	6.6124E-02	-1.5990E-01	2.2086E+00	5.3407E+00
11.5	6.5509E-02	-1.5857E-01	2.2255E+00	5.3870E+00
11.6	6.4900E-02	-1.5727E-01	2.2422E+00	5.4333E+00
11.7	6.4298E-02	-1.5599E-01	2.2588E+00	5.4798E+00
11.8	6.3702E-02	-1.5472E-01	2.2753E+00	5.5264E+00
11.9	6.3114E-02	-1.5348E-01	2.2918E+00	5.5731E+00
12.0	6.2533E-02	-1.5225E-01	2.3082E+00	5.6200E+00
12.1	6.1961E-02	-1.5104E-01	2.3247E+00	5.6670E+00
12.2	6.1397E-02	-1.4985E-01	2.3412E+00	5.7141E+00
12.3	6.0842E-02	-1.4867E-01	2.3577E+00	5.7613E+00
12.4	6.0296E-02	-1.4751E-01	2.3743E+00	5.8086E+00
12.5	5.9760E-02	-1.4637E-01	2.3909E+00	5.8560E+00
12.6	5.9233E-02	-1.4524E-01	2.4076E+00	5.9034E+00
12.7	5.8717E-02	-1.4412E-01	2.4245E+00	5.9509E+00
12.8	5.8210E-02	-1.4302E-01	2.4414E+00	5.9983E+00
12.9	5.7714E-02	-1.4194E-01	2.4583E+00	6.0458E+00
13.0	5.7227E-02	-1.4087E-01	2.4754E+00	6.0933E+00
13.1	5.6750E-02	-1.3981E-01	2.4925E+00	6.1407E+00
13.2	5.6282E-02	-1.3877E-01	2.5097E+00	6.1881E+00
13.3	5.5823E-02	-1.3775E-01	2.5269E+00	6.2355E+00
13.4	5.5372E-02	-1.3674E-01	2.5442E+00	6.2828E+00
13.5	5.4930E-02	-1.3575E-01	2.5614E+00	6.3301E+00
13.6	5.4496E-02	-1.3477E-01	2.5787E+00	6.3773E+00
13.7	5.4070E-02	-1.3381E-01	2.5961E+00	6.4245E+00
13.8	5.3650E-02	-1.3286E-01	2.6134E+00	6.4716E+00
13.9	5.3238E-02	-1.3192E-01	2.6306E+00	6.5187E+00
14.0	5.2832E-02	-1.3100E-01	2.6479E+00	6.5657E+00
14.1	5.2432E-02	-1.3009E-01	2.6652E+00	6.6127E+00
14.2	5.2038E-02	-1.2920E-01	2.6824E+00	6.6597E+00
14.3	5.1650E-02	-1.2832E-01	2.6996E+00	6.7066E+00
14.4	5.1268E-02	-1.2745E-01	2.7168E+00	6.7536E+00
14.5	5.0891E-02	-1.2659E-01	2.7339E+00	6.8005E+00
14.6	5.0518E-02	-1.2574E-01	2.7510E+00	6.8475E+00
14.7	5.0151E-02	-1.2491E-01	2.7681E+00	6.8944E+00
14.8	4.9789E-02	-1.2409E-01	2.7852E+00	6.9414E+00
14.9	4.9431E-02	-1.2327E-01	2.8022E+00	6.9883E+00
15.0	4.9078E-02	-1.2247E-01	2.8192E+00	7.0353E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	4.9078E-02	-1.2247E-01	2.8192E+00	7.0353E+00
15.1	4.8730E-02	-1.2168E-01	2.8362E+00	7.0823E+00
15.2	4.8387E-02	-1.2090E-01	2.8533E+00	7.1293E+00
15.3	4.8047E-02	-1.2013E-01	2.8703E+00	7.1763E+00
15.4	4.7713E-02	-1.1937E-01	2.8873E+00	7.2234E+00
15.5	4.7383E-02	-1.1862E-01	2.9043E+00	7.2704E+00
15.6	4.7057E-02	-1.1787E-01	2.9213E+00	7.3175E+00
15.7	4.6736E-02	-1.1714E-01	2.9383E+00	7.3646E+00
15.8	4.6419E-02	-1.1641E-01	2.9553E+00	7.4117E+00
15.9	4.6106E-02	-1.1570E-01	2.9723E+00	7.4588E+00
16.0	4.5797E-02	-1.1499E-01	2.9894E+00	7.5059E+00
16.1	4.5493E-02	-1.1429E-01	3.0064E+00	7.5530E+00
16.2	4.5193E-02	-1.1360E-01	3.0235E+00	7.6001E+00
16.3	4.4896E-02	-1.1292E-01	3.0406E+00	7.6472E+00
16.4	4.4604E-02	-1.1224E-01	3.0577E+00	7.6943E+00
16.5	4.4316E-02	-1.1157E-01	3.0748E+00	7.7414E+00
16.6	4.4031E-02	-1.1092E-01	3.0919E+00	7.7885E+00
16.7	4.3750E-02	-1.1026E-01	3.1090E+00	7.8355E+00
16.8	4.3473E-02	-1.0962E-01	3.1261E+00	7.8826E+00
16.9	4.3200E-02	-1.0898E-01	3.1432E+00	7.9297E+00
17.0	4.2930E-02	-1.0836E-01	3.1603E+00	7.9768E+00
17.1	4.2663E-02	-1.0773E-01	3.1774E+00	8.0238E+00
17.2	4.2399E-02	-1.0712E-01	3.1945E+00	8.0709E+00
17.3	4.2139E-02	-1.0651E-01	3.2117E+00	8.1179E+00
17.4	4.1882E-02	-1.0591E-01	3.2288E+00	8.1649E+00
17.5	4.1628E-02	-1.0532E-01	3.2459E+00	8.2120E+00
17.6	4.1378E-02	-1.0473E-01	3.2630E+00	8.2590E+00
17.7	4.1130E-02	-1.0415E-01	3.2801E+00	8.3060E+00
17.8	4.0885E-02	-1.0358E-01	3.2972E+00	8.3531E+00
17.9	4.0643E-02	-1.0301E-01	3.3143E+00	8.4001E+00
18.0	4.0404E-02	-1.0245E-01	3.3313E+00	8.4471E+00
18.1	4.0167E-02	-1.0189E-01	3.3484E+00	8.4942E+00
18.2	3.9933E-02	-1.0134E-01	3.3655E+00	8.5412E+00
18.3	3.9702E-02	-1.0080E-01	3.3826E+00	8.5882E+00
18.4	3.9474E-02	-1.0026E-01	3.3997E+00	8.6352E+00
18.5	3.9248E-02	-9.9732E-02	3.4167E+00	8.6823E+00
18.6	3.9024E-02	-9.9206E-02	3.4338E+00	8.7293E+00
18.7	3.8803E-02	-9.8685E-02	3.4509E+00	8.7763E+00
18.8	3.8585E-02	-9.8170E-02	3.4680E+00	8.8234E+00
18.9	3.8369E-02	-9.7660E-02	3.4851E+00	8.8704E+00
19.0	3.8156E-02	-9.7155E-02	3.5021E+00	8.9175E+00
19.1	3.7944E-02	-9.6655E-02	3.5192E+00	8.9645E+00
19.2	3.7735E-02	-9.6161E-02	3.5363E+00	9.0115E+00
19.3	3.7529E-02	-9.5671E-02	3.5534E+00	9.0586E+00
19.4	3.7324E-02	-9.5187E-02	3.5705E+00	9.1056E+00
19.5	3.7122E-02	-9.4707E-02	3.5876E+00	9.1527E+00
19.6	3.6922E-02	-9.4232E-02	3.6046E+00	9.1997E+00
19.7	3.6724E-02	-9.3762E-02	3.6217E+00	9.2467E+00
19.8	3.6529E-02	-9.3297E-02	3.6388E+00	9.2938E+00
19.9	3.6335E-02	-9.2836E-02	3.6559E+00	9.3408E+00
20.0	3.6144E-02	-9.2380E-02	3.6730E+00	9.3878E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	1.0011E+00	-6.2681E-04	9.9892E-01	6.2545E-04
0.2	1.0043E+00	-2.5291E-03	9.9567E-01	2.5072E-03
0.3	1.0098E+00	-5.7738E-03	9.9024E-01	5.6618E-03
0.4	1.0176E+00	-1.0477E-02	9.8261E-01	1.0117E-02
0.5	1.0277E+00	-1.6811E-02	9.7277E-01	1.5912E-02
0.6	1.0403E+00	-2.5015E-02	9.6069E-01	2.3100E-02
0.7	1.0555E+00	-3.5411E-02	9.4633E-01	3.1747E-02
0.8	1.0735E+00	-4.8424E-02	9.2965E-01	4.1936E-02
0.9	1.0943E+00	-6.4614E-02	9.1061E-01	5.3766E-02
1.0	1.1182E+00	-8.4710E-02	8.8915E-01	6.7356E-02
1.1	1.1453E+00	-1.0966E-01	8.6523E-01	8.2848E-02
1.2	1.1754E+00	-1.4071E-01	8.3877E-01	1.0041E-01
1.3	1.2083E+00	-1.7944E-01	8.0972E-01	1.2024E-01
1.4	1.2435E+00	-2.2789E-01	7.7802E-01	1.4258E-01
1.5	1.2797E+00	-2.8858E-01	7.4361E-01	1.6769E-01
1.6	1.3145E+00	-3.6452E-01	7.0644E-01	1.9591E-01
1.7	1.3437E+00	-4.5888E-01	6.6648E-01	2.2761E-01
1.8	1.3609E+00	-5.7436E-01	6.2371E-01	2.6324E-01
1.9	1.3563E+00	-7.1155E-01	5.7817E-01	3.0332E-01
2.0	1.3174E+00	-8.6631E-01	5.2992E-01	3.4847E-01
2.1	1.2314E+00	-1.0265E+00	4.7914E-01	3.9941E-01
2.2	1.0916E+00	-1.1706E+00	4.2609E-01	4.5694E-01
2.3	9.0473E-01	-1.2723E+00	3.7121E-01	5.2202E-01
2.4	6.9370E-01	-1.3116E+00	3.1515E-01	5.9570E-01
2.5	4.9006E-01	-1.2857E+00	2.5885E-01	6.7912E-01
2.6	3.1832E-01	-1.2090E+00	2.0365E-01	7.7351E-01
2.7	1.8987E-01	-1.1037E+00	1.5139E-01	8.8003E-01
2.8	1.0346E-01	-9.8949E-01	1.0453E-01	9.9969E-01
2.9	5.1411E-02	-8.7954E-01	6.6230E-02	1.1331E+00
3.0	2.4646E-02	-7.8044E-01	4.0425E-02	1.2801E+00
3.1	1.5281E-02	-6.9446E-01	3.1669E-02	1.4393E+00
3.2	1.7323E-02	-6.2154E-01	4.4807E-02	1.6077E+00
3.3	2.6539E-02	-5.6050E-01	8.4286E-02	1.7801E+00
3.4	4.0051E-02	-5.0987E-01	1.5312E-01	1.9493E+00
3.5	5.5945E-02	-4.6815E-01	2.5167E-01	2.1060E+00
3.6	7.2957E-02	-4.3403E-01	3.7664E-01	2.2407E+00
3.7	9.0254E-02	-4.0638E-01	5.2083E-01	2.3451E+00
3.8	1.0728E-01	-3.8428E-01	6.7395E-01	2.4141E+00
3.9	1.2364E-01	-3.6697E-01	8.2456E-01	2.4472E+00
4.0	1.3906E-01	-3.5382E-01	9.6218E-01	2.4481E+00
4.1	1.5332E-01	-3.4435E-01	1.0791E+00	2.4236E+00
4.2	1.6620E-01	-3.3810E-01	1.1710E+00	2.3821E+00
4.3	1.7753E-01	-3.3470E-01	1.2368E+00	2.3317E+00
4.4	1.8712E-01	-3.3379E-01	1.2779E+00	2.2795E+00
4.5	1.9477E-01	-3.3503E-01	1.2969E+00	2.2309E+00
4.6	2.0031E-01	-3.3803E-01	1.2975E+00	2.1895E+00
4.7	2.0358E-01	-3.4239E-01	1.2830E+00	2.1578E+00
4.8	2.0446E-01	-3.4766E-01	1.2569E+00	2.1372E+00
4.9	2.0289E-01	-3.5337E-01	1.2220E+00	2.1283E+00
5.0	1.9891E-01	-3.5898E-01	1.1809E+00	2.1313E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	1.9891E-01	-3.5898E-01	1.1809E+00	2.1313E+00
5.1	1.9267E-01	-3.6399E-01	1.1360E+00	2.1460E+00
5.2	1.8445E-01	-3.6791E-01	1.0890E+00	2.1721E+00
5.3	1.7463E-01	-3.7034E-01	1.0416E+00	2.2090E+00
5.4	1.6368E-01	-3.7099E-01	9.9546E-01	2.2563E+00
5.5	1.5213E-01	-3.6971E-01	9.5184E-01	2.3132E+00
5.6	1.4050E-01	-3.6648E-01	9.1204E-01	2.3790E+00
5.7	1.2927E-01	-3.6146E-01	8.7724E-01	2.4529E+00
5.8	1.1884E-01	-3.5487E-01	8.4852E-01	2.5338E+00
5.9	1.0950E-01	-3.4704E-01	8.2687E-01	2.6206E+00
6.0	1.0143E-01	-3.3830E-01	8.1314E-01	2.7122E+00
6.1	9.4703E-02	-3.2900E-01	8.0796E-01	2.8069E+00
6.2	8.9324E-02	-3.1947E-01	8.1176E-01	2.9033E+00
6.3	8.5217E-02	-3.0996E-01	8.2467E-01	2.9995E+00
6.4	8.2266E-02	-3.0070E-01	8.4647E-01	3.0940E+00
6.5	8.0329E-02	-2.9186E-01	8.7659E-01	3.1850E+00
6.6	7.9250E-02	-2.8358E-01	9.1410E-01	3.2709E+00
6.7	7.8873E-02	-2.7592E-01	9.5771E-01	3.3504E+00
6.8	7.9046E-02	-2.6895E-01	1.0059E+00	3.4225E+00
6.9	7.9627E-02	-2.6268E-01	1.0569E+00	3.4866E+00
7.0	8.0485E-02	-2.5710E-01	1.1090E+00	3.5424E+00
7.1	8.1505E-02	-2.5220E-01	1.1603E+00	3.5902E+00
7.2	8.2582E-02	-2.4793E-01	1.2093E+00	3.6306E+00
7.3	8.3626E-02	-2.4426E-01	1.2545E+00	3.6644E+00
7.4	8.4560E-02	-2.4113E-01	1.2950E+00	3.6930E+00
7.5	8.5321E-02	-2.3847E-01	1.3300E+00	3.7175E+00
7.6	8.5858E-02	-2.3623E-01	1.3591E+00	3.7393E+00
7.7	8.6133E-02	-2.3431E-01	1.3821E+00	3.7598E+00
7.8	8.6121E-02	-2.3266E-01	1.3992E+00	3.7801E+00
7.9	8.5811E-02	-2.3121E-01	1.4109E+00	3.8015E+00
8.0	8.5202E-02	-2.2988E-01	1.4176E+00	3.8247E+00
8.1	8.4307E-02	-2.2860E-01	1.4201E+00	3.8507E+00
8.2	8.3148E-02	-2.2732E-01	1.4192E+00	3.8800E+00
8.3	8.1758E-02	-2.2599E-01	1.4156E+00	3.9129E+00
8.4	8.0175E-02	-2.2456E-01	1.4102E+00	3.9497E+00
8.5	7.8444E-02	-2.2300E-01	1.4037E+00	3.9905E+00
8.6	7.6612E-02	-2.2129E-01	1.3970E+00	4.0352E+00
8.7	7.4726E-02	-2.1943E-01	1.3907E+00	4.0837E+00
8.8	7.2833E-02	-2.1740E-01	1.3855E+00	4.1356E+00
8.9	7.0973E-02	-2.1522E-01	1.3819E+00	4.1907E+00
9.0	6.9184E-02	-2.1291E-01	1.3805E+00	4.2483E+00
9.1	6.7494E-02	-2.1048E-01	1.3814E+00	4.3080E+00
9.2	6.5927E-02	-2.0797E-01	1.3851E+00	4.3693E+00
9.3	6.4498E-02	-2.0540E-01	1.3915E+00	4.4315E+00
9.4	6.3215E-02	-2.0280E-01	1.4009E+00	4.4942E+00
9.5	6.2081E-02	-2.0020E-01	1.4130E+00	4.5568E+00
9.6	6.1092E-02	-1.9762E-01	1.4278E+00	4.6187E+00
9.7	6.0241E-02	-1.9509E-01	1.4449E+00	4.6795E+00
9.8	5.9515E-02	-1.9263E-01	1.4641E+00	4.7389E+00
9.9	5.8901E-02	-1.9025E-01	1.4850E+00	4.7965E+00
10.0	5.8382E-02	-1.8796E-01	1.5071E+00	4.8521E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	5.8382E-02	-1.8796E-01	1.5071E+00	4.8521E+00
10.1	5.7941E-02	-1.8578E-01	1.5299E+00	4.9056E+00
10.2	5.7561E-02	-1.8370E-01	1.5532E+00	4.9569E+00
10.3	5.7225E-02	-1.8174E-01	1.5763E+00	5.0061E+00
10.4	5.6917E-02	-1.7988E-01	1.5990E+00	5.0534E+00
10.5	5.6622E-02	-1.7812E-01	1.6209E+00	5.0990E+00
10.6	5.6327E-02	-1.7646E-01	1.6417E+00	5.1431E+00
10.7	5.6022E-02	-1.7488E-01	1.6613E+00	5.1859E+00
10.8	5.5698E-02	-1.7339E-01	1.6794E+00	5.2279E+00
10.9	5.5347E-02	-1.7196E-01	1.6959E+00	5.2693E+00
11.0	5.4966E-02	-1.7060E-01	1.7110E+00	5.3105E+00
11.1	5.4550E-02	-1.6928E-01	1.7246E+00	5.3517E+00
11.2	5.4101E-02	-1.6800E-01	1.7368E+00	5.3932E+00
11.3	5.3619E-02	-1.6674E-01	1.7478E+00	5.4353E+00
11.4	5.3106E-02	-1.6550E-01	1.7578E+00	5.4781E+00
11.5	5.2566E-02	-1.6428E-01	1.7669E+00	5.5218E+00
11.6	5.2005E-02	-1.6306E-01	1.7753E+00	5.5665E+00
11.7	5.1427E-02	-1.6184E-01	1.7834E+00	5.6122E+00
11.8	5.0839E-02	-1.6062E-01	1.7912E+00	5.6590E+00
11.9	5.0247E-02	-1.5939E-01	1.7991E+00	5.7068E+00
12.0	4.9656E-02	-1.5815E-01	1.8071E+00	5.7556E+00
12.1	4.9071E-02	-1.5691E-01	1.8155E+00	5.8053E+00
12.2	4.8499E-02	-1.5566E-01	1.8244E+00	5.8557E+00
12.3	4.7942E-02	-1.5442E-01	1.8339E+00	5.9067E+00
12.4	4.7405E-02	-1.5317E-01	1.8441E+00	5.9582E+00
12.5	4.6889E-02	-1.5192E-01	1.8550E+00	6.0100E+00
12.6	4.6397E-02	-1.5068E-01	1.8666E+00	6.0619E+00
12.7	4.5929E-02	-1.4945E-01	1.8790E+00	6.1139E+00
12.8	4.5485E-02	-1.4823E-01	1.8920E+00	6.1658E+00
12.9	4.5065E-02	-1.4702E-01	1.9057E+00	6.2174E+00
13.0	4.4668E-02	-1.4584E-01	1.9200E+00	6.2688E+00
13.1	4.4291E-02	-1.4468E-01	1.9347E+00	6.3196E+00
13.2	4.3933E-02	-1.4354E-01	1.9497E+00	6.3701E+00
13.3	4.3592E-02	-1.4242E-01	1.9650E+00	6.4200E+00
13.4	4.3265E-02	-1.4133E-01	1.9804E+00	6.4693E+00
13.5	4.2949E-02	-1.4027E-01	1.9958E+00	6.5182E+00
13.6	4.2643E-02	-1.3923E-01	2.0112E+00	6.5665E+00
13.7	4.2343E-02	-1.3821E-01	2.0264E+00	6.6145E+00
13.8	4.2048E-02	-1.3722E-01	2.0414E+00	6.6620E+00
13.9	4.1756E-02	-1.3625E-01	2.0561E+00	6.7092E+00
14.0	4.1466E-02	-1.3531E-01	2.0705E+00	6.7561E+00
14.1	4.1176E-02	-1.3438E-01	2.0845E+00	6.8029E+00
14.2	4.0885E-02	-1.3347E-01	2.0982E+00	6.8496E+00
14.3	4.0592E-02	-1.3258E-01	2.1114E+00	6.8962E+00
14.4	4.0298E-02	-1.3170E-01	2.1244E+00	6.9429E+00
14.5	4.0002E-02	-1.3084E-01	2.1370E+00	6.9897E+00
14.6	3.9705E-02	-1.2999E-01	2.1494E+00	7.0366E+00
14.7	3.9406E-02	-1.2914E-01	2.1615E+00	7.0837E+00
14.8	3.9107E-02	-1.2831E-01	2.1734E+00	7.1311E+00
14.9	3.8808E-02	-1.2749E-01	2.1853E+00	7.1787E+00
15.0	3.8510E-02	-1.2667E-01	2.1970E+00	7.2265E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	3.8510E-02	-1.2667E-01	2.1970E+00	7.2265E+00
15.1	3.8214E-02	-1.2586E-01	2.2087E+00	7.2746E+00
15.2	3.7920E-02	-1.2506E-01	2.2205E+00	7.3230E+00
15.3	3.7629E-02	-1.2426E-01	2.2323E+00	7.3715E+00
15.4	3.7343E-02	-1.2347E-01	2.2442E+00	7.4203E+00
15.5	3.7061E-02	-1.2269E-01	2.2562E+00	7.4692E+00
15.6	3.6783E-02	-1.2191E-01	2.2684E+00	7.5182E+00
15.7	3.6512E-02	-1.2114E-01	2.2808E+00	7.5674E+00
15.8	3.6246E-02	-1.2038E-01	2.2933E+00	7.6166E+00
15.9	3.5986E-02	-1.1962E-01	2.3060E+00	7.6658E+00
16.0	3.5732E-02	-1.1888E-01	2.3189E+00	7.7150E+00
16.1	3.5483E-02	-1.1814E-01	2.3319E+00	7.7641E+00
16.2	3.5241E-02	-1.1741E-01	2.3451E+00	7.8132E+00
16.3	3.5003E-02	-1.1669E-01	2.3584E+00	7.8622E+00
16.4	3.4771E-02	-1.1598E-01	2.3718E+00	7.9111E+00
16.5	3.4544E-02	-1.1528E-01	2.3852E+00	7.9599E+00
16.6	3.4321E-02	-1.1459E-01	2.3987E+00	8.0085E+00
16.7	3.4102E-02	-1.1390E-01	2.4122E+00	8.0571E+00
16.8	3.3887E-02	-1.1323E-01	2.4257E+00	8.1055E+00
16.9	3.3675E-02	-1.1257E-01	2.4392E+00	8.1538E+00
17.0	3.3466E-02	-1.1191E-01	2.4526E+00	8.2020E+00
17.1	3.3259E-02	-1.1127E-01	2.4660E+00	8.2501E+00
17.2	3.3055E-02	-1.1063E-01	2.4793E+00	8.2982E+00
17.3	3.2852E-02	-1.1000E-01	2.4925E+00	8.3462E+00
17.4	3.2651E-02	-1.0938E-01	2.5057E+00	8.3942E+00
17.5	3.2452E-02	-1.0877E-01	2.5187E+00	8.4421E+00
17.6	3.2255E-02	-1.0817E-01	2.5317E+00	8.4901E+00
17.7	3.2059E-02	-1.0757E-01	2.5446E+00	8.5381E+00
17.8	3.1864E-02	-1.0698E-01	2.5575E+00	8.5861E+00
17.9	3.1671E-02	-1.0639E-01	2.5702E+00	8.6341E+00
18.0	3.1479E-02	-1.0581E-01	2.5830E+00	8.6822E+00
18.1	3.1289E-02	-1.0524E-01	2.5957E+00	8.7304E+00
18.2	3.1101E-02	-1.0467E-01	2.6083E+00	8.7786E+00
18.3	3.0914E-02	-1.0411E-01	2.6210E+00	8.8268E+00
18.4	3.0730E-02	-1.0356E-01	2.6336E+00	8.8751E+00
18.5	3.0547E-02	-1.0300E-01	2.6463E+00	8.9235E+00
18.6	3.0366E-02	-1.0246E-01	2.6590E+00	8.9719E+00
18.7	3.0187E-02	-1.0192E-01	2.6717E+00	9.0204E+00
18.8	3.0011E-02	-1.0138E-01	2.6845E+00	9.0688E+00
18.9	2.9836E-02	-1.0085E-01	2.6972E+00	9.1173E+00
19.0	2.9664E-02	-1.0033E-01	2.7101E+00	9.1659E+00
19.1	2.9495E-02	-9.9810E-02	2.7229E+00	9.2144E+00
19.2	2.9327E-02	-9.9295E-02	2.7358E+00	9.2629E+00
19.3	2.9162E-02	-9.8786E-02	2.7488E+00	9.3115E+00
19.4	2.8999E-02	-9.8281E-02	2.7617E+00	9.3600E+00
19.5	2.8838E-02	-9.7782E-02	2.7747E+00	9.4085E+00
19.6	2.8679E-02	-9.7288E-02	2.7878E+00	9.4570E+00
19.7	2.8522E-02	-9.6799E-02	2.8008E+00	9.5054E+00
19.8	2.8367E-02	-9.6315E-02	2.8139E+00	9.5538E+00
19.9	2.8214E-02	-9.5836E-02	2.8269E+00	9.6022E+00
20.0	2.8063E-02	-9.5362E-02	2.8400E+00	9.6506E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	1.0012E+00	-4.2887E-04	9.9882E-01	4.2786E-04
0.2	1.0047E+00	-1.7317E-03	9.9530E-01	1.7155E-03
0.3	1.0107E+00	-3.9585E-03	9.8940E-01	3.8751E-03
0.4	1.0192E+00	-7.1963E-03	9.8110E-01	6.9273E-03
0.5	1.0304E+00	-1.1576E-02	9.7038E-01	1.0902E-02
0.6	1.0444E+00	-1.7282E-02	9.5719E-01	1.5838E-02
0.7	1.0616E+00	-2.4567E-02	9.4147E-01	2.1787E-02
0.8	1.0822E+00	-3.3774E-02	9.2315E-01	2.8811E-02
0.9	1.1066E+00	-4.5368E-02	9.0215E-01	3.6986E-02
1.0	1.1353E+00	-5.9978E-02	8.7838E-01	4.6405E-02
1.1	1.1688E+00	-7.8468E-02	8.5173E-01	5.7181E-02
1.2	1.2078E+00	-1.0203E-01	8.2208E-01	6.9449E-02
1.3	1.2530E+00	-1.3235E-01	7.8928E-01	8.3371E-02
1.4	1.3051E+00	-1.7179E-01	7.5318E-01	9.9141E-02
1.5	1.3647E+00	-2.2375E-01	7.1359E-01	1.1700E-01
1.6	1.4319E+00	-2.9312E-01	6.7031E-01	1.3722E-01
1.7	1.5054E+00	-3.8694E-01	6.2311E-01	1.6016E-01
1.8	1.5812E+00	-5.1505E-01	5.7177E-01	1.8624E-01
1.9	1.6491E+00	-6.9025E-01	5.1600E-01	2.1598E-01
2.0	1.6871E+00	-9.2592E-01	4.5553E-01	2.5001E-01
2.1	1.6546E+00	-1.2264E+00	3.9007E-01	2.8912E-01
2.2	1.4941E+00	-1.5641E+00	3.1934E-01	3.3430E-01
2.3	1.1648E+00	-1.8533E+00	2.4310E-01	3.8678E-01
2.4	7.1080E-01	-1.9759E+00	1.6120E-01	4.4810E-01
2.5	2.6670E-01	-1.8846E+00	7.3614E-02	5.2019E-01
2.6	-5.2764E-02	-1.6499E+00	-1.9364E-02	6.0548E-01
2.7	-2.2780E-01	-1.3767E+00	-1.1698E-01	7.0700E-01
2.8	-2.9672E-01	-1.1291E+00	-2.1770E-01	8.2843E-01
2.9	-3.0334E-01	-9.2722E-01	-3.1872E-01	9.7423E-01
3.0	-2.7805E-01	-7.6957E-01	-4.1527E-01	1.1494E+00
3.1	-2.3834E-01	-6.4821E-01	-4.9970E-01	1.3590E+00
3.2	-1.9346E-01	-5.5485E-01	-5.6030E-01	1.6069E+00
3.3	-1.4800E-01	-4.8273E-01	-5.8055E-01	1.8936E+00
3.4	-1.0410E-01	-4.2675E-01	-5.3954E-01	2.2117E+00
3.5	-6.2659E-02	-3.8317E-01	-4.1566E-01	2.5418E+00
3.6	-2.3928E-02	-3.4930E-01	-1.9519E-01	2.8495E+00
3.7	1.2128E-02	-3.2321E-01	1.1594E-01	3.0896E+00
3.8	4.5672E-02	-3.0350E-01	4.8485E-01	3.2219E+00
3.9	7.6899E-02	-2.8919E-01	8.5880E-01	3.2296E+00
4.0	1.0599E-01	-2.7958E-01	1.1855E+00	3.1273E+00
4.1	1.3307E-01	-2.7422E-01	1.4323E+00	2.9517E+00
4.2	1.5819E-01	-2.7281E-01	1.5906E+00	2.7432E+00
4.3	1.8131E-01	-2.7517E-01	1.6697E+00	2.5340E+00
4.4	2.0228E-01	-2.8121E-01	1.6857E+00	2.3435E+00
4.5	2.2081E-01	-2.9088E-01	1.6556E+00	2.1810E+00
4.6	2.3643E-01	-3.0412E-01	1.5933E+00	2.0495E+00
4.7	2.4853E-01	-3.2077E-01	1.5094E+00	1.9481E+00
4.8	2.5631E-01	-3.4047E-01	1.4113E+00	1.8747E+00
4.9	2.5889E-01	-3.6260E-01	1.3042E+00	1.8267E+00
5.0	2.5540E-01	-3.8609E-01	1.1918E+00	1.8017E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	2.5540E-01	-3.8609E-01	1.1918E+00	1.8017E+00
5.1	2.4519E-01	-4.0945E-01	1.0765E+00	1.7977E+00
5.2	2.2810E-01	-4.3075E-01	9.6009E-01	1.8131E+00
5.3	2.0471E-01	-4.4789E-01	8.4411E-01	1.8469E+00
5.4	1.7646E-01	-4.5895E-01	7.2986E-01	1.8983E+00
5.5	1.4553E-01	-4.6265E-01	6.1867E-01	1.9668E+00
5.6	1.1444E-01	-4.5868E-01	5.1207E-01	2.0524E+00
5.7	8.5567E-02	-4.4773E-01	4.1182E-01	2.1548E+00
5.8	6.0694E-02	-4.3122E-01	3.2005E-01	2.2739E+00
5.9	4.0823E-02	-4.1098E-01	2.3933E-01	2.4094E+00
6.0	2.6211E-02	-3.8878E-01	1.7263E-01	2.5605E+00
6.1	1.6561E-02	-3.6611E-01	1.2330E-01	2.7258E+00
6.2	1.1253E-02	-3.4412E-01	9.4923E-02	2.9029E+00
6.3	9.5342E-03	-3.2353E-01	9.1006E-02	3.0882E+00
6.4	1.0654E-02	-3.0480E-01	1.1455E-01	3.2769E+00
6.5	1.3933E-02	-2.8812E-01	1.6745E-01	3.4627E+00
6.6	1.8789E-02	-2.7356E-01	2.4989E-01	3.6384E+00
6.7	2.4743E-02	-2.6108E-01	3.5977E-01	3.7962E+00
6.8	3.1407E-02	-2.5059E-01	4.9241E-01	3.9288E+00
6.9	3.8468E-02	-2.4198E-01	6.4077E-01	4.0307E+00
7.0	4.5671E-02	-2.3512E-01	7.9609E-01	4.0984E+00
7.1	5.2802E-02	-2.2990E-01	9.4900E-01	4.1318E+00
7.2	5.9680E-02	-2.2617E-01	1.0907E+00	4.1336E+00
7.3	6.6143E-02	-2.2383E-01	1.2141E+00	4.1088E+00
7.4	7.2042E-02	-2.2276E-01	1.3143E+00	4.0641E+00
7.5	7.7237E-02	-2.2282E-01	1.3888E+00	4.0065E+00
7.6	8.1596E-02	-2.2388E-01	1.4370E+00	3.9429E+00
7.7	8.4997E-02	-2.2578E-01	1.4604E+00	3.8793E+00
7.8	8.7331E-02	-2.2834E-01	1.4612E+00	3.8206E+00
7.9	8.8512E-02	-2.3135E-01	1.4425E+00	3.7705E+00
8.0	8.8486E-02	-2.3460E-01	1.4075E+00	3.7317E+00
8.1	8.7244E-02	-2.3783E-01	1.3594E+00	3.7059E+00
8.2	8.4827E-02	-2.4080E-01	1.3014E+00	3.6944E+00
8.3	8.1339E-02	-2.4324E-01	1.2365E+00	3.6976E+00
8.4	7.6943E-02	-2.4495E-01	1.1672E+00	3.7158E+00
8.5	7.1855E-02	-2.4575E-01	1.0961E+00	3.7487E+00
8.6	6.6329E-02	-2.4551E-01	1.0256E+00	3.7960E+00
8.7	6.0636E-02	-2.4421E-01	9.5768E-01	3.8570E+00
8.8	5.5040E-02	-2.4187E-01	8.9453E-01	3.9309E+00
8.9	4.9777E-02	-2.3858E-01	8.3803E-01	4.0166E+00
9.0	4.5040E-02	-2.3449E-01	7.8997E-01	4.1128E+00
9.1	4.0967E-02	-2.2978E-01	7.5198E-01	4.2179E+00
9.2	3.7639E-02	-2.2464E-01	7.2547E-01	4.3299E+00
9.3	3.5087E-02	-2.1926E-01	7.1159E-01	4.4469E+00
9.4	3.3297E-02	-2.1381E-01	7.1109E-01	4.5662E+00
9.5	3.2222E-02	-2.0845E-01	7.2429E-01	4.6854E+00
9.6	3.1793E-02	-2.0329E-01	7.5097E-01	4.8017E+00
9.7	3.1922E-02	-1.9843E-01	7.9030E-01	4.9125E+00
9.8	3.2519E-02	-1.9395E-01	8.4087E-01	5.0151E+00
9.9	3.3486E-02	-1.8989E-01	9.0069E-01	5.1074E+00
10.0	3.4732E-02	-1.8628E-01	9.6728E-01	5.1879E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	3.4732E-02	-1.8628E-01	9.6728E-01	5.1879E+00
10.1	3.6168E-02	-1.8314E-01	1.0378E+00	5.2553E+00
10.2	3.7709E-02	-1.8046E-01	1.1094E+00	5.3094E+00
10.3	3.9280E-02	-1.7824E-01	1.1792E+00	5.3506E+00
10.4	4.0809E-02	-1.7644E-01	1.2443E+00	5.3799E+00
10.5	4.2234E-02	-1.7503E-01	1.3027E+00	5.3989E+00
10.6	4.3500E-02	-1.7398E-01	1.3525E+00	5.4096E+00
10.7	4.4560E-02	-1.7324E-01	1.3926E+00	5.4141E+00
10.8	4.5376E-02	-1.7275E-01	1.4223E+00	5.4150E+00
10.9	4.5920E-02	-1.7247E-01	1.4415E+00	5.4143E+00
11.0	4.6171E-02	-1.7233E-01	1.4507E+00	5.4143E+00
11.1	4.6125E-02	-1.7226E-01	1.4504E+00	5.4168E+00
11.2	4.5783E-02	-1.7222E-01	1.4418E+00	5.4234E+00
11.3	4.5162E-02	-1.7213E-01	1.4261E+00	5.4354E+00
11.4	4.4289E-02	-1.7195E-01	1.4047E+00	5.4538E+00
11.5	4.3198E-02	-1.7164E-01	1.3790E+00	5.4792E+00
11.6	4.1934E-02	-1.7114E-01	1.3506E+00	5.5121E+00
11.7	4.0546E-02	-1.7045E-01	1.3208E+00	5.5526E+00
11.8	3.9087E-02	-1.6954E-01	1.2912E+00	5.6006E+00
11.9	3.7609E-02	-1.6842E-01	1.2630E+00	5.6556E+00
12.0	3.6160E-02	-1.6708E-01	1.2373E+00	5.7173E+00
12.1	3.4786E-02	-1.6556E-01	1.2154E+00	5.7847E+00
12.2	3.3522E-02	-1.6387E-01	1.1982E+00	5.8572E+00
12.3	3.2399E-02	-1.6206E-01	1.1862E+00	5.9335E+00
12.4	3.1435E-02	-1.6015E-01	1.1802E+00	6.0126E+00
12.5	3.0642E-02	-1.5818E-01	1.1804E+00	6.0933E+00
12.6	3.0024E-02	-1.5619E-01	1.1869E+00	6.1744E+00
12.7	2.9575E-02	-1.5421E-01	1.1995E+00	6.2546E+00
12.8	2.9285E-02	-1.5228E-01	1.2179E+00	6.3328E+00
12.9	2.9140E-02	-1.5041E-01	1.2414E+00	6.4079E+00
13.0	2.9120E-02	-1.4864E-01	1.2693E+00	6.4791E+00
13.1	2.9204E-02	-1.4697E-01	1.3006E+00	6.5456E+00
13.2	2.9368E-02	-1.4542E-01	1.3343E+00	6.6070E+00
13.3	2.9590E-02	-1.4400E-01	1.3691E+00	6.6630E+00
13.4	2.9847E-02	-1.4271E-01	1.4041E+00	6.7136E+00
13.5	3.0116E-02	-1.4154E-01	1.4381E+00	6.7590E+00
13.6	3.0376E-02	-1.4050E-01	1.4701E+00	6.7997E+00
13.7	3.0611E-02	-1.3956E-01	1.4994E+00	6.8363E+00
13.8	3.0802E-02	-1.3873E-01	1.5253E+00	6.8696E+00
13.9	3.0938E-02	-1.3798E-01	1.5472E+00	6.9003E+00
14.0	3.1008E-02	-1.3731E-01	1.5649E+00	6.9294E+00
14.1	3.1006E-02	-1.3669E-01	1.5782E+00	6.9578E+00
14.2	3.0927E-02	-1.3611E-01	1.5874E+00	6.9863E+00
14.3	3.0771E-02	-1.3555E-01	1.5926E+00	7.0157E+00
14.4	3.0541E-02	-1.3500E-01	1.5942E+00	7.0468E+00
14.5	3.0242E-02	-1.3444E-01	1.5927E+00	7.0800E+00
14.6	2.9883E-02	-1.3386E-01	1.5886E+00	7.1160E+00
14.7	2.9473E-02	-1.3324E-01	1.5827E+00	7.1550E+00
14.8	2.9023E-02	-1.3259E-01	1.5754E+00	7.1973E+00
14.9	2.8546E-02	-1.3189E-01	1.5676E+00	7.2428E+00
15.0	2.8055E-02	-1.3114E-01	1.5599E+00	7.2916E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	2.8055E-02	-1.3114E-01	1.5599E+00	7.2916E+00
15.1	2.7562E-02	-1.3035E-01	1.5528E+00	7.3436E+00
15.2	2.7078E-02	-1.2950E-01	1.5470E+00	7.3984E+00
15.3	2.6615E-02	-1.2862E-01	1.5428E+00	7.4557E+00
15.4	2.6181E-02	-1.2770E-01	1.5407E+00	7.5150E+00
15.5	2.5782E-02	-1.2675E-01	1.5410E+00	7.5759E+00
15.6	2.5425E-02	-1.2579E-01	1.5439E+00	7.6379E+00
15.7	2.5113E-02	-1.2481E-01	1.5494E+00	7.7004E+00
15.8	2.4846E-02	-1.2383E-01	1.5576E+00	7.7629E+00
15.9	2.4624E-02	-1.2286E-01	1.5683E+00	7.8250E+00
16.0	2.4445E-02	-1.2190E-01	1.5813E+00	7.8860E+00
16.1	2.4305E-02	-1.2097E-01	1.5964E+00	7.9457E+00
16.2	2.4200E-02	-1.2006E-01	1.6132E+00	8.0037E+00
16.3	2.4124E-02	-1.1919E-01	1.6313E+00	8.0597E+00
16.4	2.4071E-02	-1.1835E-01	1.6502E+00	8.1136E+00
16.5	2.4035E-02	-1.1755E-01	1.6695E+00	8.1654E+00
16.6	2.4009E-02	-1.1679E-01	1.6888E+00	8.2150E+00
16.7	2.3988E-02	-1.1607E-01	1.7076E+00	8.2626E+00
16.8	2.3966E-02	-1.1538E-01	1.7256E+00	8.3083E+00
16.9	2.3936E-02	-1.1473E-01	1.7425E+00	8.3523E+00
17.0	2.3896E-02	-1.1411E-01	1.7580E+00	8.3951E+00
17.1	2.3842E-02	-1.1352E-01	1.7719E+00	8.4369E+00
17.2	2.3770E-02	-1.1295E-01	1.7842E+00	8.4780E+00
17.3	2.3679E-02	-1.1240E-01	1.7947E+00	8.5189E+00
17.4	2.3568E-02	-1.1186E-01	1.8035E+00	8.5598E+00
17.5	2.3438E-02	-1.1133E-01	1.8107E+00	8.6011E+00
17.6	2.3288E-02	-1.1081E-01	1.8165E+00	8.6431E+00
17.7	2.3121E-02	-1.1028E-01	1.8210E+00	8.6859E+00
17.8	2.2939E-02	-1.0976E-01	1.8245E+00	8.7299E+00
17.9	2.2744E-02	-1.0922E-01	1.8273E+00	8.7751E+00
18.0	2.2540E-02	-1.0868E-01	1.8295E+00	8.8216E+00
18.1	2.2330E-02	-1.0814E-01	1.8315E+00	8.8695E+00
18.2	2.2117E-02	-1.0758E-01	1.8336E+00	8.9186E+00
18.3	2.1905E-02	-1.0701E-01	1.8359E+00	8.9691E+00
18.4	2.1696E-02	-1.0643E-01	1.8388E+00	9.0207E+00
18.5	2.1494E-02	-1.0585E-01	1.8424E+00	9.0733E+00
18.6	2.1300E-02	-1.0526E-01	1.8469E+00	9.1267E+00
18.7	2.1117E-02	-1.0466E-01	1.8523E+00	9.1806E+00
18.8	2.0946E-02	-1.0407E-01	1.8588E+00	9.2350E+00
18.9	2.0787E-02	-1.0347E-01	1.8663E+00	9.2896E+00
19.0	2.0642E-02	-1.0288E-01	1.8749E+00	9.3441E+00
19.1	2.0510E-02	-1.0229E-01	1.8845E+00	9.3984E+00
19.2	2.0390E-02	-1.0171E-01	1.8950E+00	9.4523E+00
19.3	2.0282E-02	-1.0113E-01	1.9063E+00	9.5057E+00
19.4	2.0183E-02	-1.0057E-01	1.9182E+00	9.5583E+00
19.5	2.0094E-02	-1.0002E-01	1.9307E+00	9.6102E+00
19.6	2.0011E-02	-9.9482E-02	1.9434E+00	9.6612E+00
19.7	1.9934E-02	-9.8957E-02	1.9562E+00	9.7113E+00
19.8	1.9860E-02	-9.8446E-02	1.9691E+00	9.7607E+00
19.9	1.9788E-02	-9.7947E-02	1.9817E+00	9.8092E+00
20.0	1.9716E-02	-9.7462E-02	1.9940E+00	9.8570E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.0000E-01	1.0000E+00	0.0000E-01
0.1	1.0012E+00	-2.1777E-04	9.9877E-01	2.1724E-04
0.2	1.0050E+00	-8.7976E-04	9.9507E-01	8.7110E-04
0.3	1.0112E+00	-2.0126E-03	9.8888E-01	1.9681E-03
0.4	1.0202E+00	-3.6630E-03	9.8018E-01	3.5192E-03
0.5	1.0320E+00	-5.9015E-03	9.6891E-01	5.5404E-03
0.6	1.0470E+00	-8.8284E-03	9.5504E-01	8.0529E-03
0.7	1.0654E+00	-1.2583E-02	9.3847E-01	1.1084E-02
0.8	1.0877E+00	-1.7357E-02	9.1913E-01	1.4667E-02
0.9	1.1144E+00	-2.3413E-02	8.9692E-01	1.8844E-02
1.0	1.1463E+00	-3.1121E-02	8.7171E-01	2.3665E-02
1.1	1.1843E+00	-4.0998E-02	8.4334E-01	2.9194E-02
1.2	1.2297E+00	-5.3789E-02	8.1167E-01	3.5504E-02
1.3	1.2840E+00	-7.0591E-02	7.7647E-01	4.2688E-02
1.4	1.3495E+00	-9.3055E-02	7.3752E-01	5.0857E-02
1.5	1.4291E+00	-1.2375E-01	6.9455E-01	6.0146E-02
1.6	1.5268E+00	-1.6684E-01	6.4722E-01	7.0725E-02
1.7	1.6483E+00	-2.2931E-01	5.9517E-01	8.2801E-02
1.8	1.8008E+00	-3.2348E-01	5.3795E-01	9.6634E-02
1.9	1.9932E+00	-4.7227E-01	4.7503E-01	1.1255E-01
2.0	2.2319E+00	-7.2036E-01	4.0578E-01	1.3097E-01
2.1	2.5002E+00	-1.1567E+00	3.2945E-01	1.5242E-01
2.2	2.6752E+00	-1.9381E+00	2.4514E-01	1.7760E-01
2.3	2.2974E+00	-3.1399E+00	1.5177E-01	2.0743E-01
2.4	7.8192E-01	-3.9585E+00	4.8026E-02	2.4313E-01
2.5	-7.8172E-01	-3.3071E+00	-6.7694E-02	2.8638E-01
2.6	-1.2799E+00	-2.2018E+00	-1.9733E-01	3.3947E-01
2.7	-1.2156E+00	-1.4367E+00	-3.4322E-01	4.0564E-01
2.8	-1.0206E+00	-9.8328E-01	-5.0815E-01	4.8955E-01
2.9	-8.2669E-01	-7.1099E-01	-6.9533E-01	5.9801E-01
3.0	-6.6088E-01	-5.3944E-01	-9.0811E-01	7.4123E-01
3.1	-5.2368E-01	-4.2597E-01	-1.1492E+00	9.3479E-01
3.2	-4.1012E-01	-3.4777E-01	-1.4184E+00	1.2028E+00
3.3	-3.1510E-01	-2.9208E-01	-1.7069E+00	1.5823E+00
3.4	-2.3439E-01	-2.5146E-01	-1.9835E+00	2.1279E+00
3.5	-1.6474E-01	-2.2136E-01	-2.1636E+00	2.9072E+00
3.6	-1.0365E-01	-1.9894E-01	-2.0598E+00	3.9534E+00
3.7	-4.9196E-02	-1.8235E-01	-1.3791E+00	5.1119E+00
3.8	1.3627E-04	-1.7039E-01	4.6934E-03	5.8687E+00
3.9	4.5543E-02	-1.6232E-01	1.6024E+00	5.7111E+00
4.0	8.8000E-02	-1.5768E-01	2.6989E+00	4.8358E+00
4.1	1.2832E-01	-1.5626E-01	3.1386E+00	3.8221E+00
4.2	1.6719E-01	-1.5810E-01	3.1577E+00	2.9860E+00
4.3	2.0518E-01	-1.6340E-01	2.9823E+00	2.3751E+00
4.4	2.4278E-01	-1.7264E-01	2.7357E+00	1.9453E+00
4.5	2.8033E-01	-1.8656E-01	2.4723E+00	1.6453E+00
4.6	3.1798E-01	-2.0627E-01	2.2134E+00	1.4358E+00
4.7	3.5554E-01	-2.3334E-01	1.9659E+00	1.2902E+00
4.8	3.9217E-01	-2.6989E-01	1.7304E+00	1.1908E+00
4.9	4.2589E-01	-3.1865E-01	1.5053E+00	1.1263E+00
5.0	4.5269E-01	-3.8264E-01	1.2884E+00	1.0891E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	4.5269E-01	-3.8264E-01	1.2884E+00	1.0891E+00
5.1	4.6533E-01	-4.6413E-01	1.0773E+00	1.0745E+00
5.2	4.5246E-01	-5.6184E-01	8.6947E-01	1.0797E+00
5.3	4.0021E-01	-6.6600E-01	6.6290E-01	1.1032E+00
5.4	3.0019E-01	-7.5414E-01	4.5563E-01	1.1446E+00
5.5	1.6269E-01	-7.9677E-01	2.4601E-01	1.2048E+00
5.6	1.9747E-02	-7.7748E-01	3.2647E-02	1.2854E+00
5.7	-9.4449E-02	-7.0734E-01	-1.8546E-01	1.3890E+00
5.8	-1.6509E-01	-6.1370E-01	-4.0876E-01	1.5195E+00
5.9	-1.9684E-01	-5.1996E-01	-6.3679E-01	1.6822E+00
6.0	-2.0171E-01	-4.3793E-01	-8.6768E-01	1.8838E+00
6.1	-1.9070E-01	-3.7072E-01	-1.0972E+00	2.1330E+00
6.2	-1.7131E-01	-3.1730E-01	-1.3175E+00	2.4402E+00
6.3	-1.4809E-01	-2.7537E-01	-1.5148E+00	2.8168E+00
6.4	-1.2353E-01	-2.4259E-01	-1.6669E+00	3.2733E+00
6.5	-9.8980E-02	-2.1701E-01	-1.7399E+00	3.8146E+00
6.6	-7.5068E-02	-1.9709E-01	-1.6877E+00	4.4310E+00
6.7	-5.2068E-02	-1.8170E-01	-1.4574E+00	5.0860E+00
6.8	-3.0054E-02	-1.7000E-01	-1.0084E+00	5.7042E+00
6.9	-8.9981E-03	-1.6138E-01	-3.4441E-01	6.1772E+00
7.0	1.1172E-02	-1.5544E-01	4.5998E-01	6.4001E+00
7.1	3.0541E-02	-1.5190E-01	1.2721E+00	6.3273E+00
7.2	4.9185E-02	-1.5061E-01	1.9594E+00	5.9998E+00
7.3	6.7154E-02	-1.5151E-01	2.4452E+00	5.5166E+00
7.4	8.4454E-02	-1.5462E-01	2.7207E+00	4.9813E+00
7.5	1.0103E-01	-1.6007E-01	2.8196E+00	4.4675E+00
7.6	1.1673E-01	-1.6804E-01	2.7884E+00	4.0140E+00
7.7	1.3129E-01	-1.7875E-01	2.6691E+00	3.6340E+00
7.8	1.4424E-01	-1.9246E-01	2.4935E+00	3.3271E+00
7.9	1.5491E-01	-2.0938E-01	2.2835E+00	3.0865E+00
8.0	1.6232E-01	-2.2958E-01	2.0532E+00	2.9041E+00
8.1	1.6520E-01	-2.5279E-01	1.8115E+00	2.7720E+00
8.2	1.6208E-01	-2.7817E-01	1.5637E+00	2.6838E+00
8.3	1.5155E-01	-3.0405E-01	1.3131E+00	2.6345E+00
8.4	1.3279E-01	-3.2782E-01	1.0615E+00	2.6205E+00
8.5	1.0625E-01	-3.4623E-01	8.1007E-01	2.6397E+00
8.6	7.4107E-02	-3.5621E-01	5.5983E-01	2.6909E+00
8.7	4.0005E-02	-3.5597E-01	3.1177E-01	2.7742E+00
8.8	8.0533E-03	-3.4578E-01	6.7318E-02	2.8904E+00
8.9	-1.8471E-02	-3.2776E-01	-1.7140E-01	3.0414E+00
9.0	-3.7882E-02	-3.0495E-01	-4.0117E-01	3.2294E+00
9.1	-5.0051E-02	-2.8030E-01	-6.1734E-01	3.4573E+00
9.2	-5.5859E-02	-2.5606E-01	-8.1323E-01	3.7279E+00
9.3	-5.6607E-02	-2.3361E-01	-9.7975E-01	4.0433E+00
9.4	-5.3600E-02	-2.1363E-01	-1.1049E+00	4.4037E+00
9.5	-4.7954E-02	-1.9635E-01	-1.1738E+00	4.8062E+00
9.6	-4.0537E-02	-1.8172E-01	-1.1694E+00	5.2421E+00
9.7	-3.1988E-02	-1.6955E-01	-1.0745E+00	5.6953E+00
9.8	-2.2764E-02	-1.5962E-01	-8.7565E-01	6.1401E+00
9.9	-1.3183E-02	-1.5170E-01	-5.6854E-01	6.5424E+00
10.0	-3.4689E-03	-1.4560E-01	-1.6353E-01	6.8641E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	-3.4689E-03	-1.4560E-01	-1.6353E-01	6.8641E+00
10.1	6.2203E-03	-1.4116E-01	3.1158E-01	7.0706E+00
10.2	1.5766E-02	-1.3823E-01	8.1445E-01	7.1412E+00
10.3	2.5069E-02	-1.3675E-01	1.2970E+00	7.0750E+00
10.4	3.4039E-02	-1.3663E-01	1.7168E+00	6.8913E+00
10.5	4.2573E-02	-1.3785E-01	2.0454E+00	6.6227E+00
10.6	5.0553E-02	-1.4038E-01	2.2709E+00	6.3059E+00
10.7	5.7830E-02	-1.4420E-01	2.3957E+00	5.9738E+00
10.8	6.4218E-02	-1.4931E-01	2.4309E+00	5.6520E+00
10.9	6.9483E-02	-1.5564E-01	2.3917E+00	5.3573E+00
11.0	7.3352E-02	-1.6310E-01	2.2936E+00	5.0998E+00
11.1	7.5515E-02	-1.7150E-01	2.1506E+00	4.8840E+00
11.2	7.5655E-02	-1.8054E-01	1.9744E+00	4.7116E+00
11.3	7.3498E-02	-1.8978E-01	1.7745E+00	4.5820E+00
11.4	6.8880E-02	-1.9864E-01	1.5583E+00	4.4939E+00
11.5	6.1828E-02	-2.0642E-01	1.3316E+00	4.4457E+00
11.6	5.2632E-02	-2.1239E-01	1.0993E+00	4.4359E+00
11.7	4.1859E-02	-2.1593E-01	8.6528E-01	4.4634E+00
11.8	3.0306E-02	-2.1664E-01	6.3334E-01	4.5274E+00
11.9	1.8869E-02	-2.1445E-01	4.0715E-01	4.6273E+00
12.0	8.3907E-03	-2.0962E-01	1.9065E-01	4.7628E+00
12.1	-4.8173E-04	-2.0268E-01	-1.1726E-02	4.9338E+00
12.2	-7.3638E-03	-1.9429E-01	-1.9480E-01	5.1396E+00
12.3	-1.2132E-02	-1.8510E-01	-3.5257E-01	5.3793E+00
12.4	-1.4869E-02	-1.7572E-01	-4.7816E-01	5.6506E+00
12.5	-1.5790E-02	-1.6658E-01	-5.6395E-01	5.9496E+00
12.6	-1.5173E-02	-1.5803E-01	-6.0204E-01	6.2703E+00
12.7	-1.3310E-02	-1.5025E-01	-5.8498E-01	6.6036E+00
12.8	-1.0477E-02	-1.4338E-01	-5.0693E-01	6.9376E+00
12.9	-6.9148E-03	-1.3745E-01	-3.6509E-01	7.2571E+00
13.0	-2.8316E-03	-1.3248E-01	-1.6127E-01	7.5450E+00
13.1	1.6001E-03	-1.2844E-01	9.6976E-02	7.7843E+00
13.2	6.2357E-03	-1.2532E-01	3.9605E-01	7.9598E+00
13.3	1.0952E-02	-1.2308E-01	7.1735E-01	8.0613E+00
13.4	1.5642E-02	-1.2167E-01	1.0395E+00	8.0854E+00
13.5	2.0206E-02	-1.2107E-01	1.3412E+00	8.0360E+00
13.6	2.4551E-02	-1.2123E-01	1.6046E+00	7.9236E+00
13.7	2.8580E-02	-1.2213E-01	1.8166E+00	7.7628E+00
13.8	3.2196E-02	-1.2372E-01	1.9701E+00	7.5703E+00
13.9	3.5296E-02	-1.2593E-01	2.0635E+00	7.3624E+00
14.0	3.7772E-02	-1.2871E-01	2.0994E+00	7.1535E+00
14.1	3.9517E-02	-1.3194E-01	2.0831E+00	6.9551E+00
14.2	4.0429E-02	-1.3552E-01	2.0216E+00	6.7761E+00
14.3	4.0426E-02	-1.3927E-01	1.9224E+00	6.6225E+00
14.4	3.9452E-02	-1.4300E-01	1.7929E+00	6.4985E+00
14.5	3.7502E-02	-1.4649E-01	1.6400E+00	6.4064E+00
14.6	3.4630E-02	-1.4952E-01	1.4702E+00	6.3476E+00
14.7	3.0958E-02	-1.5185E-01	1.2890E+00	6.3226E+00
14.8	2.6678E-02	-1.5330E-01	1.1018E+00	6.3313E+00
14.9	2.2034E-02	-1.5374E-01	9.1342E-01	6.3734E+00
15.0	1.7301E-02	-1.5312E-01	7.2858E-01	6.4483E+00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	1.7301E-02	-1.5312E-01	7.2858E-01	6.4483E+00
15.1	1.2753E-02	-1.5148E-01	5.5183E-01	6.5549E+00
15.2	8.6311E-03	-1.4893E-01	3.8782E-01	6.6920E+00
15.3	5.1238E-03	-1.4564E-01	2.4126E-01	6.8577E+00
15.4	2.3527E-03	-1.4182E-01	1.1695E-01	7.0495E+00
15.5	3.7377E-04	-1.3766E-01	1.9723E-02	7.2641E+00
15.6	-8.1436E-04	-1.3338E-01	-4.5774E-02	7.4970E+00
15.7	-1.2568E-03	-1.2914E-01	-7.5352E-02	7.7427E+00
15.8	-1.0280E-03	-1.2508E-01	-6.5698E-02	7.9941E+00
15.9	-2.1896E-04	-1.2131E-01	-1.4878E-02	8.2431E+00
16.0	1.0725E-03	-1.1791E-01	7.7142E-02	8.4806E+00
16.1	2.7488E-03	-1.1491E-01	2.0804E-01	8.6971E+00
16.2	4.7164E-03	-1.1237E-01	3.7286E-01	8.8835E+00
16.3	6.8878E-03	-1.1029E-01	5.6407E-01	9.0319E+00
16.4	9.1820E-03	-1.0867E-01	7.7198E-01	9.1367E+00
16.5	1.1524E-02	-1.0752E-01	9.8554E-01	9.1951E+00
16.6	1.3844E-02	-1.0681E-01	1.1933E+00	9.2074E+00
16.7	1.6075E-02	-1.0654E-01	1.3847E+00	9.1773E+00
16.8	1.8154E-02	-1.0667E-01	1.5506E+00	9.1109E+00
16.9	2.0023E-02	-1.0717E-01	1.6845E+00	9.0161E+00
17.0	2.1622E-02	-1.0801E-01	1.7821E+00	8.9019E+00
17.1	2.2900E-02	-1.0913E-01	1.8419E+00	8.7772E+00
17.2	2.3809E-02	-1.1047E-01	1.8644E+00	8.6505E+00
17.3	2.4309E-02	-1.1197E-01	1.8518E+00	8.5292E+00
17.4	2.4374E-02	-1.1354E-01	1.8075E+00	8.4196E+00
17.5	2.3993E-02	-1.1509E-01	1.7358E+00	8.3266E+00
17.6	2.3173E-02	-1.1654E-01	1.6412E+00	8.2542E+00
17.7	2.1945E-02	-1.1779E-01	1.5286E+00	8.2048E+00
17.8	2.0363E-02	-1.1875E-01	1.4028E+00	8.1805E+00
17.9	1.8501E-02	-1.1935E-01	1.2684E+00	8.1822E+00
18.0	1.6450E-02	-1.1953E-01	1.1299E+00	8.2104E+00
18.1	1.4315E-02	-1.1928E-01	9.9191E-01	8.2648E+00
18.2	1.2200E-02	-1.1858E-01	8.5855E-01	8.3447E+00
18.3	1.0205E-02	-1.1747E-01	7.3399E-01	8.4488E+00
18.4	8.4165E-03	-1.1600E-01	6.2218E-01	8.5753E+00
18.5	6.9009E-03	-1.1424E-01	5.2687E-01	8.7218E+00
18.6	5.7046E-03	-1.1226E-01	4.5153E-01	8.8853E+00
18.7	4.8519E-03	-1.1014E-01	3.9921E-01	9.0620E+00
18.8	4.3471E-03	-1.0796E-01	3.7236E-01	9.2475E+00
18.9	4.1781E-03	-1.0580E-01	3.7267E-01	9.4369E+00
19.0	4.3197E-03	-1.0372E-01	4.0085E-01	9.6247E+00
19.1	4.7373E-03	-1.0177E-01	4.5643E-01	9.8051E+00
19.2	5.3906E-03	-9.9986E-02	5.3765E-01	9.9724E+00
19.3	6.2359E-03	-9.8408E-02	6.4136E-01	1.0121E+01
19.4	7.2280E-03	-9.7053E-02	7.6314E-01	1.0247E+01
19.5	8.3221E-03	-9.5934E-02	8.9748E-01	1.0346E+01
19.6	9.4740E-03	-9.5059E-02	1.0381E+00	1.0416E+01
19.7	1.0641E-02	-9.4425E-02	1.1785E+00	1.0458E+01
19.8	1.1784E-02	-9.4026E-02	1.3123E+00	1.0471E+01
19.9	1.2863E-02	-9.3849E-02	1.4335E+00	1.0459E+01
20.0	1.3843E-02	-9.3878E-02	1.5373E+00	1.0425E+01

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
0.0	1.0000E+00	0.00	1.0000E+00	0.00
0.1	1.0013E+00		9.9875E-01	
0.2	1.0050E+00		9.9499E-01	
0.3	1.0114E+00		9.8871E-01	
0.4	1.0205E+00		9.7987E-01	
0.5	1.0326E+00		9.6842E-01	
0.6	1.0479E+00		9.5431E-01	
0.7	1.0667E+00		9.3746E-01	
0.8	1.0896E+00		9.1778E-01	
0.9	1.1171E+00		8.9515E-01	
1.0	1.1502E+00	0.00	8.6944E-01	0.00
1.1	1.1898E+00		8.4050E-01	
1.2	1.2374E+00		8.0812E-01	
1.3	1.2952E+00		7.7210E-01	
1.4	1.3658E+00		7.3217E-01	
1.5	1.4534E+00		6.8802E-01	
1.6	1.5643E+00		6.3928E-01	
1.7	1.7079E+00		5.8551E-01	
1.8	1.9005E+00		5.2619E-01	
1.9	2.1707E+00		4.6068E-01	
2.0	2.5759E+00	0.00	3.8821E-01	0.00
2.1	3.2485E+00		3.0783E-01	
2.2	4.5797E+00		2.1836E-01	
2.3	8.4526E+00		1.1831E-01	
2.4	1.7287E+02		5.7848E-03	
2.5	-8.2192E+00		-1.2167E-01	
2.6	-3.7412E+00		-2.6729E-01	
2.7	-2.2963E+00		-4.3548E-01	
2.8	-1.5816E+00		-6.3228E-01	
2.9	-1.1543E+00		-8.6635E-01	
3.0	-8.6921E-01	0.00	-1.1505E+00	0.00
3.1	-6.6473E-01		-1.5044E+00	
3.2	-5.1014E-01		-1.9603E+00	
3.3	-3.8843E-01		-2.5745E+00	
3.4	-2.8940E-01		-3.4554E+00	
3.5	-2.0651E-01		-4.8423E+00	
3.6	-1.3538E-01		-7.3868E+00	
3.7	-7.2889E-02		-1.3720E+01	
3.8	-1.6763E-02		-5.9656E+01	
3.9	3.4770E-02		2.8761E+01	
4.0	8.3147E-02	0.00	1.2027E+01	0.00
4.1	1.2961E-01		7.7152E+00	
4.2	1.7533E-01		5.7035E+00	
4.3	2.2147E-01		4.5154E+00	
4.4	2.6930E-01		3.7133E+00	
4.5	3.2037E-01		3.1214E+00	
4.6	3.7666E-01		2.6549E+00	
4.7	4.4094E-01		2.2679E+00	
4.8	5.1731E-01		1.9331E+00	
4.9	6.1241E-01		1.6329E+00	
5.0	7.3780E-01	0.00	1.3554E+00	0.00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
5.0	7.3780E-01	0.00	1.3554E+00	0.00
5.1	9.1589E-01		1.0918E+00	
5.2	1.1969E+00		8.3548E-01	
5.3	1.7222E+00		5.8064E-01	
5.4	3.1037E+00		3.2219E-01	
5.5	1.8142E+01		5.5122E-02	
5.6	-4.4272E+00		-2.2588E-01	
5.7	-1.8981E+00		-5.2683E-01	
5.8	-1.1696E+00		-8.5503E-01	
5.9	-8.1984E-01		-1.2197E+00	
6.0	-6.1222E-01	0.00	-1.6334E+00	0.00
6.1	-4.7318E-01		-2.1134E+00	
6.2	-3.7242E-01		-2.6852E+00	
6.3	-2.9516E-01		-3.3880E+00	
6.4	-2.3329E-01		-4.2865E+00	
6.5	-1.8199E-01		-5.4947E+00	
6.6	-1.3820E-01		-7.2359E+00	
6.7	-9.9838E-02		-1.0016E+01	
6.8	-6.5446E-02		-1.5280E+01	
6.9	-3.3937E-02		-2.9467E+01	
7.0	-4.4587E-03	0.00	-2.2428E+02	0.00
7.1	2.3693E-02		4.2207E+01	
7.2	5.1144E-02		1.9553E+01	
7.3	7.8490E-02		1.2741E+01	
7.4	1.0635E-01		9.4030E+00	
7.5	1.3541E-01		7.3847E+00	
7.6	1.6653E-01		6.0051E+00	
7.7	2.0078E-01		4.9806E+00	
7.8	2.3968E-01		4.1721E+00	
7.9	2.8549E-01		3.5027E+00	
8.0	3.4173E-01	0.00	2.9262E+00	0.00
8.1	4.1444E-01		2.4129E+00	
8.2	5.1488E-01		1.9422E+00	
8.3	6.6697E-01		1.4993E+00	
8.4	9.3227E-01		1.0727E+00	
8.5	1.5323E+00		6.5261E-01	
8.6	4.3378E+00		2.3053E-01	
8.7	-4.9514E+00		-2.0196E-01	
8.8	-1.5297E+00		-6.5372E-01	
8.9	-8.8127E-01		-1.1347E+00	
9.0	-6.0347E-01	0.00	-1.6571E+00	0.00
9.1	-4.4716E-01		-2.2363E+00	
9.2	-3.4562E-01		-2.8934E+00	
9.3	-2.7338E-01		-3.6579E+00	
9.4	-2.1862E-01		-4.5742E+00	
9.5	-1.7507E-01		-5.7121E+00	
9.6	-1.3909E-01		-7.1894E+00	
9.7	-1.0843E-01		-9.2226E+00	
9.8	-8.1571E-02		-1.2259E+01	
9.9	-5.7469E-02		-1.7401E+01	
10.0	-3.5353E-02	0.00	-2.8286E+01	0.00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
10.0	-3.5353E-02	0.00	-2.8286E+01	0.00
10.1	-1.4627E-02		-6.8365E+01	
10.2	5.1967E-03		1.9243E+02	
10.3	2.4549E-02		4.0735E+01	
10.4	4.3833E-02		2.2814E+01	
10.5	6.3466E-02		1.5757E+01	
10.6	8.3905E-02		1.1918E+01	
10.7	1.0570E-01		9.4606E+00	
10.8	1.2956E-01		7.7183E+00	
10.9	1.5645E-01		6.3919E+00	
11.0	1.8776E-01	0.00	5.3259E+00	0.00
11.1	2.2566E-01		4.4315E+00	
11.2	2.7372E-01		3.6534E+00	
11.3	3.3838E-01		2.9553E+00	
11.4	4.3260E-01		2.3116E+00	
11.5	5.8708E-01		1.7034E+00	
11.6	8.9655E-01		1.1154E+00	
11.7	1.8696E+00		5.3488E-01	
11.8	-2.0013E+01		-4.9967E-02	
11.9	-1.5364E+00		-6.5089E-01	
12.0	-7.8091E-01	0.00	-1.2806E+00	0.00
12.1	-5.1188E-01		-1.9536E+00	
12.2	-3.7201E-01		-2.6861E+00	
12.3	-2.8508E-01		-3.5077E+00	
12.4	-2.2497E-01		-4.4451E+00	
12.5	-1.8026E-01		-5.5475E+00	
12.6	-1.4520E-01		-6.8873E+00	
12.7	-1.1652E-01		-8.5819E+00	
12.8	-9.2268E-02		-1.0838E+01	
12.9	-7.1147E-02		-1.4055E+01	
13.0	-5.2280E-02	0.00	-1.9128E+01	0.00
13.1	-3.5034E-02		-2.8543E+01	
13.2	-1.8926E-02		-5.2837E+01	
13.3	-3.5665E-03		-2.8039E+02	
13.4	1.1379E-02		8.7882E+01	
13.5	2.6220E-02		3.8139E+01	
13.6	4.1266E-02		2.4233E+01	
13.7	5.6853E-02		1.7589E+01	
13.8	7.3376E-02		1.3629E+01	
13.9	9.1329E-02		1.0949E+01	
14.0	1.1138E-01	0.00	8.9785E+00	0.00
14.1	1.3446E-01		7.4371E+00	
14.2	1.6201E-01		6.1726E+00	
14.3	1.9631E-01		5.0941E+00	
14.4	2.4134E-01		4.1435E+00	
14.5	3.0476E-01		3.2813E+00	
14.6	4.0341E-01		2.4789E+00	
14.7	5.8330E-01		1.7144E+00	
14.8	1.0309E+00		9.7005E-01	
14.9	4.3447E+00		2.3017E-01	
15.0	-1.9225E+00	0.00	-5.2014E-01	0.00

R	RE(PHI)	IM(PHI)	RE(F)	IM(F)
15.0	-1.9225E+00	0.00	-5.2014E-01	0.00
15.1	-7.7147E-01		-1.2962E+00	
15.2	-4.7279E-01		-2.1151E+00	
15.3	-3.3365E-01		-2.9971E+00	
15.4	-2.5201E-01		-3.9681E+00	
15.5	-1.9753E-01		-5.0626E+00	
15.6	-1.5799E-01		-6.3296E+00	
15.7	-1.2752E-01		-7.8418E+00	
15.8	-1.0294E-01		-9.7142E+00	
15.9	-8.2369E-02		-1.2141E+01	
16.0	-6.4607E-02	0.00	-1.5478E+01	0.00
16.1	-4.8855E-02		-2.0469E+01	
16.2	-3.4545E-02		-2.8948E+01	
16.3	-2.1254E-02		-4.7051E+01	
16.4	-8.6464E-03		-1.1565E+02	
16.5	3.5578E-03		2.8107E+02	
16.6	1.5613E-02		6.4050E+01	
16.7	2.7766E-02		3.6015E+01	
16.8	4.0279E-02		2.4827E+01	
16.9	5.3451E-02		1.8709E+01	
17.0	6.7649E-02	0.00	1.4782E+01	0.00
17.1	8.3354E-02		1.1997E+01	
17.2	1.0124E-01		9.8778E+00	
17.3	1.2228E-01		8.1777E+00	
17.4	1.4805E-01		6.7546E+00	
17.5	1.8113E-01		5.5208E+00	
17.6	2.2633E-01		4.4182E+00	
17.7	2.9359E-01		3.4061E+00	
17.8	4.0746E-01		2.4542E+00	
17.9	6.4989E-01		1.5387E+00	
18.0	1.5640E+00	0.00	6.3939E-01	0.00
18.1	-3.8145E+00		-2.6216E-01	
18.2	-8.4453E-01		-1.1841E+00	
18.3	-4.6602E-01		-2.1458E+00	
18.4	-3.1548E-01		-3.1698E+00	
18.5	-2.3345E-01		-4.2835E+00	
18.6	-1.8106E-01		-5.5230E+00	
18.7	-1.4414E-01		-6.9378E+00	
18.8	-1.1628E-01		-8.5999E+00	
18.9	-9.4162E-02		-1.0620E+01	
19.0	-7.5882E-02	0.00	-1.3178E+01	0.00
19.1	-6.0262E-02		-1.6594E+01	
19.2	-4.6531E-02		-2.1491E+01	
19.3	-3.4152E-02		-2.9281E+01	
19.4	-2.2733E-02		-4.3988E+01	
19.5	-1.1972E-02		-8.3528E+01	
19.6	-1.6190E-03		-6.1768E+02	
19.7	8.5442E-03		1.1704E+02	
19.8	1.8725E-02		5.3405E+01	
19.9	2.9136E-02		3.4322E+01	
20.0	4.0014E-02	0.00	2.4991E+01	0.00

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	0.00	INFINITY	0.00
0.1	2.4271E+00		9.8538E+00	
0.2	1.7527E+00		4.7760E+00	
0.3	1.3725E+00		3.0560E+00	
0.4	1.1145E+00		2.1844E+00	
0.5	9.2442E-01		1.6564E+00	
0.6	7.7752E-01		1.3028E+00	
0.7	6.6052E-01		1.0503E+00	
0.8	5.6535E-01		8.6178E-01	
0.9	4.8673E-01		7.1653E-01	
1.0	4.2102E-01	0.00	6.0191E-01	0.00
1.1	3.6560E-01		5.0976E-01	
1.2	3.1851E-01		4.3459E-01	
1.3	2.7825E-01		3.7255E-01	
1.4	2.4366E-01		3.2084E-01	
1.5	2.1381E-01		2.7739E-01	
1.6	1.8795E-01		2.4063E-01	
1.7	1.6550E-01		2.0936E-01	
1.8	1.4593E-01		1.8262E-01	
1.9	1.2885E-01		1.5966E-01	
2.0	1.1389E-01	0.00	1.3987E-01	0.00
2.1	1.0078E-01		1.2275E-01	
2.2	8.9269E-02		1.0790E-01	
2.3	7.9140E-02		9.4982E-02	
2.4	7.0217E-02		8.3725E-02	
2.5	6.2348E-02		7.3891E-02	
2.6	5.5398E-02		6.5284E-02	
2.7	4.9255E-02		5.7738E-02	
2.8	4.3820E-02		5.1110E-02	
2.9	3.9006E-02		4.5286E-02	
3.0	3.4740E-02	0.00	4.0156E-02	0.00
3.1	3.0955E-02		3.5634E-02	
3.2	2.7595E-02		3.1643E-02	
3.3	2.4611E-02		2.8117E-02	
3.4	2.1958E-02		2.4999E-02	
3.5	1.9599E-02		2.2239E-02	
3.6	1.7500E-02		1.9795E-02	
3.7	1.5631E-02		1.7628E-02	
3.8	1.3966E-02		1.5706E-02	
3.9	1.2482E-02		1.3999E-02	
4.0	1.1160E-02	0.00	1.2483E-02	0.00
4.1	9.9800E-03		1.1136E-02	
4.2	8.9275E-03		9.9382E-03	
4.3	7.9880E-03		8.8722E-03	
4.4	7.1491E-03		7.9233E-03	
4.5	6.3999E-03		7.0781E-03	
4.6	5.7304E-03		6.3250E-03	
4.7	5.1321E-03		5.6538E-03	
4.8	4.5972E-03		5.0552E-03	
4.9	4.1189E-03		4.5212E-03	
5.0	3.6911E-03	0.00	4.0446E-03	0.00

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	3.6911E-03	0.00	4.0446E-03	0.00
5.1	3.3083E-03		3.6192E-03	
5.2	2.9657E-03		3.2393E-03	
5.3	2.6591E-03		2.8999E-03	
5.4	2.3846E-03		2.5966E-03	
5.5	2.1387E-03		2.3256E-03	
5.6	1.9185E-03		2.0832E-03	
5.7	1.7212E-03		1.8665E-03	
5.8	1.5444E-03		1.6726E-03	
5.9	1.3860E-03		1.4992E-03	
6.0	1.2440E-03	0.00	1.3439E-03	0.00
6.1	1.1167E-03		1.2050E-03	
6.2	1.0025E-03		1.0805E-03	
6.3	9.0014E-04		9.6911E-04	
6.4	8.0831E-04		8.6931E-04	
6.5	7.2593E-04		7.7989E-04	
6.6	6.5202E-04		6.9978E-04	
6.7	5.8570E-04		6.2798E-04	
6.8	5.2618E-04		5.6362E-04	
6.9	4.7275E-04		5.0592E-04	
7.0	4.2480E-04	0.00	4.5418E-04	0.00
7.1	3.8174E-04		4.0779E-04	
7.2	3.4308E-04		3.6617E-04	
7.3	3.0836E-04		3.2884E-04	
7.4	2.7718E-04		2.9535E-04	
7.5	2.4918E-04		2.6530E-04	
7.6	2.2402E-04		2.3833E-04	
7.7	2.0142E-04		2.1412E-04	
7.8	1.8111E-04		1.9239E-04	
7.9	1.6287E-04		1.7288E-04	
8.0	1.4647E-04	0.00	1.5537E-04	0.00
8.1	1.3173E-04		1.3964E-04	
8.2	1.1849E-04		1.2552E-04	
8.3	1.0658E-04		1.1283E-04	
8.4	9.5880E-05		1.0143E-04	
8.5	8.6258E-05		9.1197E-05	
8.6	7.7606E-05		8.2000E-05	
8.7	6.9827E-05		7.3736E-05	
8.8	6.2831E-05		6.6309E-05	
8.9	5.6540E-05		5.9635E-05	
9.0	5.0881E-05	0.00	5.3637E-05	0.00
9.1	4.5792E-05		4.8245E-05	
9.2	4.1214E-05		4.3399E-05	
9.3	3.7096E-05		3.9042E-05	
9.4	3.3391E-05		3.5124E-05	
9.5	3.0058E-05		3.1602E-05	
9.6	2.7059E-05		2.8435E-05	
9.7	2.4360E-05		2.5587E-05	
9.8	2.1932E-05		2.3025E-05	
9.9	1.9747E-05		2.0721E-05	
10.0	1.7780E-05	0.00	1.8649E-05	0.00

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	1.7780E-05	0.00	1.8649E-05	0.00
10.1	1.6010E-05		1.6785E-05	
10.2	1.4417E-05		1.5108E-05	
10.3	1.2983E-05		1.3599E-05	
10.4	1.1692E-05		1.2242E-05	
10.5	1.0530E-05		1.1020E-05	
10.6	9.4839E-06		9.9215E-06	
10.7	8.5420E-06		8.9326E-06	
10.8	7.6940E-06		8.0427E-06	
10.9	6.9305E-06		7.2417E-06	
11.0	6.2430E-06	0.00	6.5209E-06	0.00
11.1	5.6239E-06		5.8720E-06	
11.2	5.0665E-06		5.2880E-06	
11.3	4.5644E-06		4.7622E-06	
11.4	4.1123E-06		4.2890E-06	
11.5	3.7050E-06		3.8629E-06	
11.6	3.3383E-06		3.4793E-06	
11.7	3.0079E-06		3.1339E-06	
11.8	2.7103E-06		2.8229E-06	
11.9	2.4423E-06		2.5429E-06	
12.0	2.2008E-06	0.00	2.2908E-06	0.00
12.1	1.9833E-06		2.0637E-06	
12.2	1.7873E-06		1.8592E-06	
12.3	1.6108E-06		1.6750E-06	
12.4	1.4517E-06		1.5092E-06	
12.5	1.3084E-06		1.3598E-06	
12.6	1.1793E-06		1.2252E-06	
12.7	1.0629E-06		1.1040E-06	
12.8	9.5807E-07		9.9482E-07	
12.9	8.6359E-07		8.9646E-07	
13.0	7.7845E-07	0.00	8.0786E-07	0.00
13.1	7.0173E-07		7.2804E-07	
13.2	6.3258E-07		6.5612E-07	
13.3	5.7027E-07		5.9133E-07	
13.4	5.1410E-07		5.3295E-07	
13.5	4.6348E-07		4.8035E-07	
13.6	4.1786E-07		4.3296E-07	
13.7	3.7674E-07		3.9025E-07	
13.8	3.3967E-07		3.5177E-07	
13.9	3.0626E-07		3.1709E-07	
14.0	2.7614E-07	0.00	2.8583E-07	0.00
14.1	2.4899E-07		2.5767E-07	
14.2	2.2451E-07		2.3229E-07	
14.3	2.0245E-07		2.0941E-07	
14.4	1.8255E-07		1.8879E-07	
14.5	1.6462E-07		1.7020E-07	
14.6	1.4845E-07		1.5345E-07	
14.7	1.3387E-07		1.3836E-07	
14.8	1.2073E-07		1.2475E-07	
14.9	1.0888E-07		1.1248E-07	
15.0	9.8195E-08	0.00	1.0142E-07	0.00

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	9.8195E-08	0.00	1.0142E-07	0.00
15.1	8.8561E-08		9.1448E-08	
15.2	7.9873E-08		8.2460E-08	
15.3	7.2039E-08		7.4357E-08	
15.4	6.4975E-08		6.7052E-08	
15.5	5.8605E-08		6.0467E-08	
15.6	5.2860E-08		5.4529E-08	
15.7	4.7680E-08		4.9175E-08	
15.8	4.3008E-08		4.4348E-08	
15.9	3.8794E-08		3.9996E-08	
16.0	3.4994E-08	0.00	3.6072E-08	0.00
16.1	3.1567E-08		3.2533E-08	
16.2	2.8476E-08		2.9342E-08	
16.3	2.5688E-08		2.6465E-08	
16.4	2.3174E-08		2.3870E-08	
16.5	2.0906E-08		2.1530E-08	
16.6	1.8860E-08		1.9420E-08	
16.7	1.7015E-08		1.7517E-08	
16.8	1.5350E-08		1.5801E-08	
16.9	1.3849E-08		1.4253E-08	
17.0	1.2495E-08	0.00	1.2857E-08	0.00
17.1	1.1273E-08		1.1598E-08	
17.2	1.0171E-08		1.0463E-08	
17.3	9.1768E-09		9.4384E-09	
17.4	8.2799E-09		8.5146E-09	
17.5	7.4708E-09		7.6814E-09	
17.6	6.7409E-09		6.9298E-09	
17.7	6.0824E-09		6.2519E-09	
17.8	5.4883E-09		5.6404E-09	
17.9	4.952E-09		5.0888E-09	
18.0	4.4688E-09	0.00	4.5912E-09	0.00
18.1	4.0325E-09		4.1424E-09	
18.2	3.6388E-09		3.7375E-09	
18.3	3.2836E-09		3.3722E-09	
18.4	2.9632E-09		3.0427E-09	
18.5	2.6740E-09		2.7454E-09	
18.6	2.4131E-09		2.4772E-09	
18.7	2.1777E-09		2.2352E-09	
18.8	1.9653E-09		2.0169E-09	
18.9	1.7736E-09		1.8200E-09	
19.0	1.6007E-09	0.00	1.6423E-09	0.00
19.1	1.4446E-09		1.4819E-09	
19.2	1.3038E-09		1.3373E-09	
19.3	1.1767E-09		1.2068E-09	
19.4	1.0620E-09		1.0890E-09	
19.5	9.5848E-10		9.8276E-10	
19.6	8.6508E-10		8.8688E-10	
19.7	7.8079E-10		8.0037E-10	
19.8	7.0473E-10		7.2231E-10	
19.9	6.3608E-10		6.5187E-10	
20.0	5.7412E-10	0.00	5.8831E-10	0.00

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-8.7266E-02	INFINITY	- INFINITY
0.1	2.4270E+00	-8.5995E-02	9.8160E+00	-8.7998E-01
0.2	1.7524E+00	-8.3368E-02	4.7571E+00	-4.4682E-01
0.3	1.3720E+00	-8.0024E-02	3.0433E+00	-3.0226E-01
0.4	1.1139E+00	-7.6272E-02	2.1747E+00	-2.2926E-01
0.5	9.2354E-01	-7.2304E-02	1.6486E+00	-1.8469E-01
0.6	7.7646E-01	-6.8247E-02	1.2961E+00	-1.5424E-01
0.7	6.5929E-01	-6.4190E-02	1.0443E+00	-1.3187E-01
0.8	5.6397E-01	-6.0195E-02	8.5640E-01	-1.1456E-01
0.9	4.8523E-01	-5.6306E-02	7.1160E-01	-1.0065E-01
1.0	4.1942E-01	-5.2553E-02	5.9733E-01	-8.9174E-02
1.1	3.6392E-01	-4.8956E-02	5.0547E-01	-7.9494E-02
1.2	3.1676E-01	-4.5529E-02	4.3056E-01	-7.1197E-02
1.3	2.7646E-01	-4.2278E-02	3.6873E-01	-6.3998E-02
1.4	2.4184E-01	-3.9206E-02	3.1722E-01	-5.7689E-02
1.5	2.1197E-01	-3.6313E-02	2.7396E-01	-5.2117E-02
1.6	1.8612E-01	-3.3596E-02	2.3737E-01	-4.7166E-02
1.7	1.6367E-01	-3.1052E-02	2.0626E-01	-4.2745E-02
1.8	1.4413E-01	-2.8673E-02	1.7967E-01	-3.8782E-02
1.9	1.2707E-01	-2.6454E-02	1.5686E-01	-3.5218E-02
2.0	1.1216E-01	-2.4388E-02	1.3720E-01	-3.2004E-02
2.1	9.9089E-02	-2.2467E-02	1.2022E-01	-2.9101E-02
2.2	8.7622E-02	-2.0683E-02	1.0550E-01	-2.6473E-02
2.3	7.7544E-02	-1.9029E-02	9.2707E-02	-2.4091E-02
2.4	6.8676E-02	-1.7497E-02	8.1570E-02	-2.1931E-02
2.5	6.0862E-02	-1.6079E-02	7.1851E-02	-1.9968E-02
2.6	5.3971E-02	-1.4768E-02	6.3355E-02	-1.8184E-02
2.7	4.7887E-02	-1.3558E-02	5.5916E-02	-1.6562E-02
2.8	4.2511E-02	-1.2441E-02	4.9393E-02	-1.5086E-02
2.9	3.7756E-02	-1.1411E-02	4.3664E-02	-1.3743E-02
3.0	3.3548E-02	-1.0462E-02	3.8628E-02	-1.2519E-02
3.1	2.9822E-02	-9.5882E-03	3.4195E-02	-1.1405E-02
3.2	2.6519E-02	-8.7840E-03	3.0290E-02	-1.0390E-02
3.3	2.3590E-02	-8.0444E-03	2.6845E-02	-9.4648E-03
3.4	2.0992E-02	-7.3646E-03	2.3805E-02	-8.6220E-03
3.5	1.8685E-02	-6.7401E-03	2.1119E-02	-7.8539E-03
3.6	1.6636E-02	-6.1666E-03	1.8744E-02	-7.1539E-03
3.7	1.4816E-02	-5.6403E-03	1.6644E-02	-6.5159E-03
3.8	1.3199E-02	-5.1573E-03	1.4784E-02	-5.9344E-03
3.9	1.1760E-02	-4.7145E-03	1.3137E-02	-5.4045E-03
4.0	1.0481E-02	-4.3085E-03	1.1677E-02	-4.9215E-03
4.1	9.3422E-03	-3.9366E-03	1.0383E-02	-4.4813E-03
4.2	8.3289E-03	-3.5958E-03	9.2348E-03	-4.0802E-03
4.3	7.4268E-03	-3.2838E-03	8.2158E-03	-3.7147E-03
4.4	6.6234E-03	-2.9982E-03	7.3111E-03	-3.3816E-03
4.5	5.9078E-03	-2.7368E-03	6.5075E-03	-3.0782E-03
4.6	5.2701E-03	-2.4977E-03	5.7935E-03	-2.8017E-03
4.7	4.7019E-03	-2.2790E-03	5.1588E-03	-2.5498E-03
4.8	4.1955E-03	-2.0790E-03	4.5946E-03	-2.3204E-03
4.9	3.7439E-03	-1.8962E-03	4.0928E-03	-2.1114E-03
5.0	3.3413E-03	-1.7292E-03	3.6463E-03	-1.9211E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	3.3413E-03	-1.7292E-03	3.6463E-03	-1.9211E-03
5.1	2.9823E-03	-1.5766E-03	3.2491E-03	-1.7478E-03
5.2	2.6620E-03	-1.4372E-03	2.8955E-03	-1.5900E-03
5.3	2.3763E-03	-1.3100E-03	2.5808E-03	-1.4462E-03
5.4	2.1214E-03	-1.1937E-03	2.3005E-03	-1.3154E-03
5.5	1.8940E-03	-1.0877E-03	2.0509E-03	-1.1963E-03
5.6	1.6910E-03	-9.9087E-04	1.8286E-03	-1.0879E-03
5.7	1.5099E-03	-9.0255E-04	1.6305E-03	-9.8920E-04
5.8	1.3482E-03	-8.2198E-04	1.4539E-03	-8.9939E-04
5.9	1.2038E-03	-7.4849E-04	1.2966E-03	-8.1767E-04
6.0	1.0750E-03	-6.8147E-04	1.1564E-03	-7.4330E-04
6.1	9.5996E-04	-6.2037E-04	1.0314E-03	-6.7564E-04
6.2	8.5725E-04	-5.6467E-04	9.2002E-04	-6.1409E-04
6.3	7.6553E-04	-5.1391E-04	8.2066E-04	-5.5810E-04
6.4	6.8364E-04	-4.6765E-04	7.3207E-04	-5.0717E-04
6.5	6.1051E-04	-4.2550E-04	6.5306E-04	-4.6085E-04
6.6	5.4520E-04	-3.8710E-04	5.8259E-04	-4.1872E-04
6.7	4.8687E-04	-3.5212E-04	5.1974E-04	-3.8042E-04
6.8	4.3478E-04	-3.2027E-04	4.6368E-04	-3.4559E-04
6.9	3.8825E-04	-2.9126E-04	4.1366E-04	-3.1393E-04
7.0	3.4670E-04	-2.6485E-04	3.6905E-04	-2.8514E-04
7.1	3.0959E-04	-2.4081E-04	3.2924E-04	-2.5897E-04
7.2	2.7644E-04	-2.1893E-04	2.9373E-04	-2.3519E-04
7.3	2.4683E-04	-1.9901E-04	2.6205E-04	-2.1357E-04
7.4	2.2039E-04	-1.8089E-04	2.3377E-04	-1.9392E-04
7.5	1.9677E-04	-1.6440E-04	2.0855E-04	-1.7607E-04
7.6	1.7567E-04	-1.4939E-04	1.8604E-04	-1.5985E-04
7.8	1.5000E-04	-1.2935E-04	1.6806E-04	-1.4512E-04
7.9	1.2497E-04	-1.1205E-04	1.3204E-04	-1.1957E-04
8.0	1.1155E-04	-1.0178E-04	1.1778E-04	-1.0852E-04
8.1	9.9559E-05	-9.2450E-05	1.0504E-04	-9.8487E-05
8.2	8.8854E-05	-8.3965E-05	9.3682E-05	-8.9375E-05
8.3	7.9293E-05	-7.6252E-05	8.3545E-05	-8.1100E-05
8.4	7.0756E-05	-6.9241E-05	7.4500E-05	-7.3586E-05
8.5	6.3133E-05	-6.2869E-05	6.6430E-05	-6.6764E-05
8.6	5.6326E-05	-5.7079E-05	5.9229E-05	-6.0570E-05
8.7	5.0249E-05	-5.1817E-05	5.2805E-05	-5.4947E-05
8.8	4.4823E-05	-4.7036E-05	4.7074E-05	-4.9842E-05
8.9	3.9979E-05	-4.2693E-05	4.1962E-05	-4.5209E-05
9.0	3.5655E-05	-3.8748E-05	3.7401E-05	-4.1003E-05
9.1	3.1795E-05	-3.5164E-05	3.3332E-05	-3.7187E-05
9.2	2.8350E-05	-3.1909E-05	2.9704E-05	-3.3723E-05
9.3	2.5276E-05	-2.8954E-05	2.6467E-05	-3.0580E-05
9.4	2.2531E-05	-2.6269E-05	2.3581E-05	-2.7728E-05
9.5	2.0083E-05	-2.3832E-05	2.1007E-05	-2.5140E-05
9.6	1.7898E-05	-2.1620E-05	1.8711E-05	-2.2793E-05
9.7	1.5949E-05	-1.9611E-05	1.6664E-05	-2.0663E-05
9.8	1.4210E-05	-1.7787E-05	1.4840E-05	-1.8731E-05
9.9	1.2658E-05	-1.6132E-05	1.3213E-05	-1.6979E-05
10.0	1.1275E-05	-1.4630E-05	1.1763E-05	-1.5389E-05

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	1.1275E-05	-1.4630E-05	1.1763E-05	-1.5389E-05
10.1	1.0041E-05	-1.3267E-05	1.0470E-05	-1.3948E-05
10.2	8.9406E-06	-1.2029E-05	9.3183E-06	-1.2640E-05
10.3	7.9595E-06	-1.0907E-05	8.2918E-06	-1.1455E-05
10.4	7.0848E-06	-9.8884E-06	7.3771E-06	-1.0380E-05
10.5	6.3052E-06	-8.9643E-06	6.5622E-06	-9.4055E-06
10.6	5.6102E-06	-8.1260E-06	5.8362E-06	-8.5218E-06
10.7	4.9909E-06	-7.3657E-06	5.1896E-06	-7.7208E-06
10.8	4.4391E-06	-6.6760E-06	4.6137E-06	-6.9946E-06
10.9	3.9475E-06	-6.0504E-06	4.1009E-06	-6.3363E-06
11.0	3.5096E-06	-5.4831E-06	3.6444E-06	-5.7396E-06
11.1	3.1195E-06	-4.9687E-06	3.2379E-06	-5.1988E-06
11.2	2.7722E-06	-4.5022E-06	2.8762E-06	-4.7087E-06
11.3	2.4630E-06	-4.0792E-06	2.5542E-06	-4.2646E-06
11.4	2.1877E-06	-3.6958E-06	2.2678E-06	-3.8621E-06
11.5	1.9427E-06	-3.3481E-06	2.0129E-06	-3.4974E-06
11.6	1.7246E-06	-3.0330E-06	1.7863E-06	-3.1669E-06
11.7	1.5306E-06	-2.7474E-06	1.5847E-06	-2.8675E-06
11.8	1.3581E-06	-2.4884E-06	1.4055E-06	-2.5963E-06
11.9	1.2046E-06	-2.2538E-06	1.2461E-06	-2.3505E-06
12.0	1.0682E-06	-2.0411E-06	1.1045E-06	-2.1280E-06
12.1	9.4688E-07	-1.8484E-06	9.7871E-07	-1.9263E-06
12.2	8.3908E-07	-1.6738E-06	8.6693E-07	-1.7437E-06
12.3	7.4329E-07	-1.5156E-06	7.6766E-07	-1.5783E-06
12.4	6.5820E-07	-1.3722E-06	6.7951E-07	-1.4285E-06
12.5	5.8264E-07	-1.2424E-06	6.0125E-07	-1.2929E-06
12.6	5.1555E-07	-1.1247E-06	5.3180E-07	-1.1701E-06
12.7	4.5599E-07	-1.0181E-06	4.7018E-07	-1.0589E-06
12.8	4.0315E-07	-9.2161E-07	4.1553E-07	-9.5815E-07
12.9	3.5627E-07	-8.3418E-07	3.6706E-07	-8.6697E-07
13.0	3.1470E-07	-7.5500E-07	3.2410E-07	-7.8443E-07
13.1	2.7784E-07	-6.8329E-07	2.8602E-07	-7.0971E-07
13.2	2.4517E-07	-6.1836E-07	2.5229E-07	-6.4207E-07
13.3	2.1623E-07	-5.5956E-07	2.2242E-07	-5.8084E-07
13.4	1.9060E-07	-5.0633E-07	1.9597E-07	-5.2542E-07
13.5	1.6791E-07	-4.5813E-07	1.7257E-07	-4.7527E-07
13.6	1.4783E-07	-4.1449E-07	1.5187E-07	-4.2987E-07
13.7	1.3007E-07	-3.7499E-07	1.3356E-07	-3.8880E-07
13.8	1.1436E-07	-3.3924E-07	1.1738E-07	-3.5162E-07
13.9	1.0048E-07	-3.0687E-07	1.0309E-07	-3.1799E-07
14.0	8.8215E-08	-2.7758E-07	9.0465E-08	-2.8755E-07
14.1	7.7385E-08	-2.5106E-07	7.9323E-08	-2.6002E-07
14.2	6.7827E-08	-2.2707E-07	6.9493E-08	-2.3511E-07
14.3	5.9396E-08	-2.0536E-07	6.0825E-08	-2.1257E-07
14.4	5.1963E-08	-1.8571E-07	5.3187E-08	-1.9218E-07
14.5	4.5413E-08	-1.6793E-07	4.6459E-08	-1.7374E-07
14.6	3.9646E-08	-1.5185E-07	4.0538E-08	-1.5706E-07
14.7	3.4570E-08	-1.3729E-07	3.5329E-08	-1.4197E-07
14.8	3.0107E-08	-1.2413E-07	3.0750E-08	-1.2833E-07
14.9	2.6185E-08	-1.1222E-07	2.6728E-08	-1.1599E-07
15.0	2.2740E-08	-1.0145E-07	2.3198E-08	-1.0483E-07

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	2.2740E-08	-1.0145E-07	2.3198E-08	-1.0483E-07
15.1	1.9718E-08	-9.1705E-08	2.0102E-08	-9.4739E-08
15.2	1.7068E-08	-8.2893E-08	1.7388E-08	-8.5615E-08
15.3	1.4747E-08	-7.4922E-08	1.5013E-08	-7.7365E-08
15.4	1.2716E-08	-6.7715E-08	1.2935E-08	-6.9907E-08
15.5	1.0941E-08	-6.1197E-08	1.1120E-08	-6.3164E-08
15.6	9.3902E-09	-5.5303E-08	9.5356E-09	-5.7068E-08
15.7	8.0377E-09	-4.9974E-08	8.1542E-09	-5.1558E-08
15.8	6.8594E-09	-4.5156E-08	6.9515E-09	-4.6577E-08
15.9	5.8342E-09	-4.0800E-08	5.9057E-09	-4.2075E-08
16.0	4.9435E-09	-3.6862E-08	4.9976E-09	-3.8006E-08
16.1	4.1708E-09	-3.3302E-08	4.2104E-09	-3.4328E-08
16.2	3.5017E-09	-3.0084E-08	3.5292E-09	-3.1005E-08
16.3	2.9232E-09	-2.7176E-08	2.9407E-09	-2.8002E-08
16.4	2.4242E-09	-2.4547E-08	2.4333E-09	-2.5288E-08
16.5	1.9945E-09	-2.2171E-08	1.9969E-09	-2.2836E-08
16.6	1.6255E-09	-2.0024E-08	1.6225E-09	-2.0621E-08
16.7	1.3094E-09	-1.8084E-08	1.3020E-09	-1.8619E-08
16.8	1.0394E-09	-1.6331E-08	1.0286E-09	-1.6811E-08
16.9	8.0955E-10	-1.4747E-08	7.9609E-10	-1.5178E-08
17.0	6.1459E-10	-1.3316E-08	5.9913E-10	-1.3702E-08
17.1	4.4990E-10	-1.2023E-08	4.3301E-10	-1.2369E-08
17.2	3.1144E-10	-1.0855E-08	2.9357E-10	-1.1166E-08
17.3	1.9568E-10	-9.7995E-09	1.7720E-10	-1.0078E-08
17.4	9.9493E-11	-8.8464E-09	8.0733E-11	-9.0964E-09
17.5	2.0183E-11	-7.9854E-09	1.3878E-12	-8.2097E-09
17.6	-4.4627E-11	-7.2079E-09	-6.3253E-11	-7.4090E-09
17.7	-9.7006E-11	-6.5056E-09	-1.1530E-10	-6.6860E-09
17.8	-1.3876E-10	-5.8715E-09	-1.5659E-10	-6.0333E-09
17.9	-1.7146E-10	-5.2988E-09	-1.8874E-10	-5.4439E-09
18.0	-1.9647E-10	-4.7816E-09	-2.1312E-10	-4.9118E-09
18.1	-2.1498E-10	-4.3147E-09	-2.3095E-10	-4.4314E-09
18.2	-2.2802E-10	-3.8932E-09	-2.4327E-10	-3.9978E-09
18.3	-2.3648E-10	-3.5126E-09	-2.5099E-10	-3.6064E-09
18.4	-2.4112E-10	-3.1690E-09	-2.5488E-10	-3.2531E-09
18.5	-2.4261E-10	-2.8589E-09	-2.5562E-10	-2.9343E-09
18.6	-2.4151E-10	-2.5789E-09	-2.5379E-10	-2.6465E-09
18.7	-2.3832E-10	-2.3262E-09	-2.4988E-10	-2.3869E-09
18.8	-2.3346E-10	-2.0982E-09	-2.4431E-10	-2.1525E-09
18.9	-2.2728E-10	-1.8923E-09	-2.3745E-10	-1.9411E-09
19.0	-2.2008E-10	-1.7066E-09	-2.2960E-10	-1.7503E-09
19.1	-2.1212E-10	-1.5390E-09	-2.2101E-10	-1.5782E-09
19.2	-2.0362E-10	-1.3878E-09	-2.1191E-10	-1.4229E-09
19.3	-1.9476E-10	-1.2513E-09	-2.0248E-10	-1.2828E-09
19.4	-1.8568E-10	-1.1282E-09	-1.9287E-10	-1.1564E-09
19.5	-1.7653E-10	-1.0171E-09	-1.8320E-10	-1.0424E-09
19.6	-1.6739E-10	-9.1694E-10	-1.7358E-10	-9.3960E-10
19.7	-1.5835E-10	-8.2656E-10	-1.6409E-10	-8.4687E-10
19.8	-1.4947E-10	-7.4505E-10	-1.5479E-10	-7.6324E-10
19.9	-1.4083E-10	-6.7152E-10	-1.4574E-10	-6.8783E-10
20.0	-1.3244E-10	-6.0522E-10	-1.3699E-10	-6.1983E-10

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-1.7453E-01	INFINITY	- INFINITY
0.1	2.4267E+00	-1.7202E-01	9.7026E+00	-1.7533E+00
0.2	1.7516E+00	-1.6680E-01	4.7005E+00	-8.9037E-01
0.3	1.3706E+00	-1.6016E-01	3.0054E+00	-6.0238E-01
0.4	1.1118E+00	-1.5269E-01	2.1459E+00	-4.5697E-01
0.5	9.2091E-01	-1.4478E-01	1.6250E+00	-3.6816E-01
0.6	7.7326E-01	-1.3668E-01	1.2759E+00	-3.0751E-01
0.7	6.5559E-01	-1.2857E-01	1.0265E+00	-2.6292E-01
0.8	5.5983E-01	-1.2058E-01	8.4030E-01	-2.2842E-01
0.9	4.8072E-01	-1.1279E-01	6.9682E-01	-2.0069E-01
1.0	4.1460E-01	-1.0527E-01	5.8360E-01	-1.7779E-01
1.1	3.5885E-01	-9.8051E-02	4.9262E-01	-1.5847E-01
1.2	3.1150E-01	-9.1170E-02	4.1846E-01	-1.4190E-01
1.3	2.7106E-01	-8.4638E-02	3.5729E-01	-1.2752E-01
1.4	2.3636E-01	-7.8463E-02	3.0638E-01	-1.1491E-01
1.5	2.0645E-01	-7.2644E-02	2.6366E-01	-1.0377E-01
1.6	1.8060E-01	-6.7178E-02	2.2758E-01	-9.3871E-02
1.7	1.5818E-01	-6.2056E-02	1.9695E-01	-8.5026E-02
1.8	1.3870E-01	-5.7267E-02	1.7082E-01	-7.7096E-02
1.9	1.2173E-01	-5.2799E-02	1.4844E-01	-6.9962E-02
2.0	1.0692E-01	-4.8638E-02	1.2921E-01	-6.3530E-02
2.1	9.3983E-02	-4.4769E-02	1.1263E-01	-5.7718E-02
2.2	8.2658E-02	-4.1176E-02	9.8295E-02	-5.2459E-02
2.3	7.2735E-02	-3.7845E-02	8.5879E-02	-4.7692E-02
2.4	6.4031E-02	-3.4760E-02	7.5102E-02	-4.3368E-02
2.5	5.6388E-02	-3.1906E-02	6.5731E-02	-3.9441E-02
2.6	4.9673E-02	-2.9270E-02	5.7569E-02	-3.5874E-02
2.7	4.3767E-02	-2.6835E-02	5.0451E-02	-3.2631E-02
2.8	3.8571E-02	-2.4590E-02	4.4236E-02	-2.9682E-02
2.9	3.3996E-02	-2.2521E-02	3.8804E-02	-2.6999E-02
3.0	2.9967E-02	-2.0616E-02	3.4050E-02	-2.4557E-02
3.1	2.6416E-02	-1.8863E-02	2.9888E-02	-2.2335E-02
3.2	2.3286E-02	-1.7252E-02	2.6241E-02	-2.0312E-02
3.3	2.0527E-02	-1.5771E-02	2.3042E-02	-1.8470E-02
3.4	1.8093E-02	-1.4411E-02	2.0236E-02	-1.6794E-02
3.5	1.5946E-02	-1.3163E-02	1.7772E-02	-1.5268E-02
3.6	1.4051E-02	-1.2018E-02	1.5609E-02	-1.3878E-02
3.7	1.2380E-02	-1.0969E-02	1.3709E-02	-1.2614E-02
3.8	1.0905E-02	-1.0007E-02	1.2039E-02	-1.1463E-02
3.9	9.6034E-03	-9.1269E-03	1.0571E-02	-1.0415E-02
4.0	8.4548E-03	-8.3210E-03	9.2804E-03	-9.4615E-03
4.1	7.4413E-03	-7.5837E-03	8.1458E-03	-8.5939E-03
4.2	6.5470E-03	-6.9095E-03	7.1482E-03	-7.8045E-03
4.3	5.7580E-03	-6.2931E-03	6.2708E-03	-7.0865E-03
4.4	5.0619E-03	-5.7300E-03	5.4993E-03	-6.4334E-03
4.5	4.4480E-03	-5.2156E-03	4.8209E-03	-5.8394E-03
4.6	3.9066E-03	-4.7460E-03	4.2243E-03	-5.2994E-03
4.7	3.4293E-03	-4.3173E-03	3.6999E-03	-4.8084E-03
4.8	3.0085E-03	-3.9263E-03	3.2388E-03	-4.3621E-03
4.9	2.6378E-03	-3.5696E-03	2.8336E-03	-3.9565E-03
5.0	2.3112E-03	-3.2445E-03	2.4776E-03	-3.5880E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	2.3112E-03	-3.2445E-03	2.4776E-03	-3.5880E-03
5.1	2.0236E-03	-2.9481E-03	2.1648E-03	-3.2532E-03
5.2	1.7704E-03	-2.6781E-03	1.8901E-03	-2.9491E-03
5.3	1.5476E-03	-2.4322E-03	1.6489E-03	-2.6729E-03
5.4	1.3517E-03	-2.2083E-03	1.4373E-03	-2.4221E-03
5.5	1.1794E-03	-2.0044E-03	1.2517E-03	-2.1944E-03
5.6	1.0281E-03	-1.8190E-03	1.0889E-03	-1.9878E-03
5.7	8.9514E-04	-1.6502E-03	9.4628E-04	-1.8003E-03
5.8	7.7848E-04	-1.4968E-03	8.2134E-04	-1.6301E-03
5.9	6.7615E-04	-1.3572E-03	7.1197E-04	-1.4758E-03
6.0	5.8646E-04	-1.2304E-03	6.1630E-04	-1.3358E-03
6.1	5.0790E-04	-1.1152E-03	5.3267E-04	-1.2089E-03
6.2	4.3915E-04	-1.0105E-03	4.5962E-04	-1.0938E-03
6.3	3.7902E-04	-9.1542E-04	3.9585E-04	-9.8947E-04
6.4	3.2649E-04	-8.2908E-04	3.4025E-04	-8.9493E-04
6.5	2.8064E-04	-7.5072E-04	2.9181E-04	-8.0926E-04
6.6	2.4066E-04	-6.7960E-04	2.4965E-04	-7.3165E-04
6.7	2.0583E-04	-6.1507E-04	2.1300E-04	-6.6136E-04
6.8	1.7554E-04	-5.5654E-04	1.8118E-04	-5.9770E-04
6.9	1.4922E-04	-5.0347E-04	1.5358E-04	-5.4006E-04
7.0	1.2638E-04	-4.5535E-04	1.2968E-04	-4.8788E-04
7.1	1.0660E-04	-4.1173E-04	1.0902E-04	-4.4066E-04
7.2	8.9484E-05	-3.7221E-04	9.1192E-05	-3.9793E-04
7.3	7.4710E-05	-3.3640E-04	7.5828E-05	-3.5927E-04
7.4	6.1979E-05	-3.0397E-04	6.2618E-05	-3.2430E-04
7.5	5.1033E-05	-2.7460E-04	5.1285E-05	-2.9268E-04
7.6	4.1642E-05	-2.4802E-04	4.1586E-05	-2.6408E-04
7.7	3.3608E-05	-2.2395E-04	3.3309E-05	-2.3823E-04
7.8	2.6753E-05	-2.0218E-04	2.6266E-05	-2.1487E-04
7.9	2.0924E-05	-1.8248E-04	2.0293E-05	-1.9376E-04
8.0	1.5985E-05	-1.6466E-04	1.5249E-05	-1.7468E-04
8.1	1.1817E-05	-1.4854E-04	1.1006E-05	-1.5745E-04
8.2	8.3161E-06	-1.3398E-04	7.4566E-06	-1.4189E-04
8.3	5.3918E-06	-1.2081E-04	4.5038E-06	-1.2784E-04
8.4	2.9643E-06	-1.0891E-04	2.0645E-06	-1.1516E-04
8.5	9.6410E-07	-9.8161E-05	6.5797E-08	-1.0371E-04
8.6	-6.6939E-07	-8.8451E-05	-1.5557E-06	-9.3381E-05
8.7	-1.9890E-06	-7.9683E-05	-2.8552E-06	-8.4062E-05
8.8	-3.0407E-06	-7.1767E-05	-3.8805E-06	-7.5655E-05
8.9	-3.8646E-06	-6.4621E-05	-4.6734E-06	-6.8073E-05
9.0	-4.4952E-06	-5.8173E-05	-5.2698E-06	-6.1238E-05
9.1	-4.9627E-06	-5.2356E-05	-5.7009E-06	-5.5076E-05
9.2	-5.2931E-06	-4.7108E-05	-5.9936E-06	-4.9522E-05
9.3	-5.5090E-06	-4.2376E-05	-6.1713E-06	-4.4518E-05
9.4	-5.6297E-06	-3.8110E-05	-6.2537E-06	-4.0010E-05
9.5	-5.6720E-06	-3.4264E-05	-6.2582E-06	-3.5950E-05
9.6	-5.6500E-06	-3.0799E-05	-6.1993E-06	-3.2294E-05
9.7	-5.5763E-06	-2.7677E-05	-6.0897E-06	-2.9002E-05
9.8	-5.4611E-06	-2.4864E-05	-5.9399E-06	-2.6040E-05
9.9	-5.3134E-06	-2.2332E-05	-5.7591E-06	-2.3374E-05
10.0	-5.1408E-06	-2.0052E-05	-5.5550E-06	-2.0975E-05

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-5.1408E-06	-2.0052E-05	-5.5550E-06	-2.0975E-05
10.1	-4.9497E-06	-1.8000E-05	-5.3339E-06	-1.8818E-05
10.2	-4.7454E-06	-1.6153E-05	-5.1012E-06	-1.6878E-05
10.3	-4.5325E-06	-1.4492E-05	-4.8615E-06	-1.5134E-05
10.4	-4.3146E-06	-1.2998E-05	-4.6185E-06	-1.3566E-05
10.5	-4.0949E-06	-1.1655E-05	-4.3752E-06	-1.2157E-05
10.6	-3.8758E-06	-1.0447E-05	-4.1342E-06	-1.0892E-05
10.7	-3.6595E-06	-9.3615E-06	-3.8973E-06	-9.7549E-06
10.8	-3.4475E-06	-8.3863E-06	-3.6661E-06	-8.7343E-06
10.9	-3.2411E-06	-7.5104E-06	-3.4420E-06	-7.8180E-06
11.0	-3.0413E-06	-6.7238E-06	-3.2257E-06	-6.9957E-06
11.1	-2.8489E-06	-6.0177E-06	-3.0180E-06	-6.2579E-06
11.2	-2.6644E-06	-5.3839E-06	-2.8193E-06	-5.5961E-06
11.3	-2.4881E-06	-4.8152E-06	-2.6299E-06	-5.0026E-06
11.4	-2.3202E-06	-4.3052E-06	-2.4500E-06	-4.4705E-06
11.5	-2.1608E-06	-3.8478E-06	-2.2795E-06	-3.9937E-06
11.6	-2.0099E-06	-3.4377E-06	-2.1183E-06	-3.5664E-06
11.7	-1.8674E-06	-3.0702E-06	-1.9664E-06	-3.1837E-06
11.8	-1.7331E-06	-2.7410E-06	-1.8235E-06	-2.8410E-06
11.9	-1.6068E-06	-2.4461E-06	-1.6892E-06	-2.5342E-06
12.0	-1.4883E-06	-2.1821E-06	-1.5634E-06	-2.2596E-06
12.1	-1.3772E-06	-1.9458E-06	-1.4457E-06	-2.0140E-06
12.2	-1.2734E-06	-1.7343E-06	-1.3357E-06	-1.7943E-06
12.3	-1.1764E-06	-1.5452E-06	-1.2331E-06	-1.5979E-06
12.4	-1.0859E-06	-1.3760E-06	-1.1375E-06	-1.4224E-06
12.5	-1.0016E-06	-1.2249E-06	-1.0486E-06	-1.2655E-06
12.6	-9.2320E-07	-1.0898E-06	-9.6588E-07	-1.1255E-06
12.7	-8.5034E-07	-9.6911E-07	-8.8913E-07	-1.0004E-06
12.8	-7.8271E-07	-8.6138E-07	-8.1794E-07	-8.8881E-07
12.9	-7.2000E-07	-7.6522E-07	-7.5198E-07	-7.8924E-07
13.0	-6.6191E-07	-6.7943E-07	-6.9094E-07	-7.0045E-07
13.1	-6.0815E-07	-6.0292E-07	-6.3448E-07	-6.2130E-07
13.2	-5.5843E-07	-5.3471E-07	-5.8231E-07	-5.5077E-07
13.3	-5.1250E-07	-4.7394E-07	-5.3414E-07	-4.8796E-07
13.4	-4.7009E-07	-4.1981E-07	-4.8971E-07	-4.3203E-07
13.5	-4.3097E-07	-3.7161E-07	-4.4874E-07	-3.8226E-07
13.6	-3.9491E-07	-3.2873E-07	-4.1100E-07	-3.3800E-07
13.7	-3.6169E-07	-2.9059E-07	-3.7626E-07	-2.9865E-07
13.8	-3.3111E-07	-2.5668E-07	-3.4429E-07	-2.6368E-07
13.9	-3.0297E-07	-2.2655E-07	-3.1490E-07	-2.3262E-07
14.0	-2.7710E-07	-1.9980E-07	-2.8789E-07	-2.0505E-07
14.1	-2.5333E-07	-1.7605E-07	-2.6309E-07	-1.8059E-07
14.2	-2.3151E-07	-1.5499E-07	-2.4032E-07	-1.5891E-07
14.3	-2.1147E-07	-1.3632E-07	-2.1944E-07	-1.3969E-07
14.4	-1.9309E-07	-1.1977E-07	-2.0029E-07	-1.2268E-07
14.5	-1.7624E-07	-1.0513E-07	-1.8274E-07	-1.0762E-07
14.6	-1.6080E-07	-9.2164E-08	-1.6667E-07	-9.4298E-08
14.7	-1.4665E-07	-8.0705E-08	-1.5195E-07	-8.2527E-08
14.8	-1.3370E-07	-7.0580E-08	-1.3848E-07	-7.2132E-08
14.9	-1.2185E-07	-6.1641E-08	-1.2617E-07	-6.2959E-08
15.0	-1.1101E-07	-5.3756E-08	-1.1490E-07	-5.4871E-08

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	-1.1101E-07	-5.3756E-08	-1.1490E-07	-5.4871E-08
15.1	-1.0110E-07	-4.6806E-08	-1.0461E-07	-4.7746E-08
15.2	-9.2041E-08	-4.0686E-08	-9.5204E-08	-4.1474E-08
15.3	-8.3766E-08	-3.5301E-08	-8.6616E-08	-3.5959E-08
15.4	-7.6209E-08	-3.0569E-08	-7.8777E-08	-3.1115E-08
15.5	-6.9311E-08	-2.6414E-08	-7.1624E-08	-2.6864E-08
15.6	-6.3017E-08	-2.2769E-08	-6.5100E-08	-2.3137E-08
15.7	-5.7276E-08	-1.9577E-08	-5.9152E-08	-1.9875E-08
15.8	-5.2042E-08	-1.6784E-08	-5.3730E-08	-1.7022E-08
15.9	-4.7271E-08	-1.4344E-08	-4.8790E-08	-1.4531E-08
16.0	-4.2924E-08	-1.2215E-08	-4.4291E-08	-1.2359E-08
16.1	-3.8965E-08	-1.0360E-08	-4.0194E-08	-1.0468E-08
16.2	-3.5360E-08	-8.7466E-09	-3.6465E-08	-8.8245E-09
16.3	-3.2079E-08	-7.3462E-09	-3.3073E-08	-7.3989E-09
16.4	-2.9094E-08	-6.1327E-09	-2.9987E-08	-6.1645E-09
16.5	-2.6379E-08	-5.0834E-09	-2.7181E-08	-5.0980E-09
16.6	-2.3910E-08	-4.1782E-09	-2.4631E-08	-4.1789E-09
16.7	-2.1666E-08	-3.3993E-09	-2.2313E-08	-3.3886E-09
16.8	-1.9626E-08	-2.7310E-09	-2.0208E-08	-2.7112E-09
16.9	-1.7774E-08	-2.1592E-09	-1.8296E-08	-2.1324E-09
17.0	-1.6092E-08	-1.6717E-09	-1.6560E-08	-1.6395E-09
17.1	-1.4564E-08	-1.2578E-09	-1.4984E-08	-1.2215E-09
17.2	-1.3178E-08	-9.0774E-10	-1.3555E-08	-8.6862E-10
17.3	-1.1921E-08	-6.1329E-10	-1.2259E-08	-5.7226E-10
17.4	-1.0780E-08	-3.6699E-10	-1.1083E-08	-3.2486E-10
17.5	-9.7457E-09	-1.6237E-10	-1.0017E-08	-1.1979E-10
17.6	-8.8081E-09	6.2729E-12	-9.0514E-09	4.8773E-11
17.7	-7.9585E-09	1.4393E-10	-8.1763E-09	1.8592E-10
17.8	-7.1887E-09	2.5498E-10	-7.3838E-09	2.9611E-10
17.9	-6.4915E-09	3.4324E-10	-6.6662E-09	3.8324E-10
18.0	-5.8603E-09	4.1205E-10	-6.0166E-09	4.5073E-10
18.1	-5.2889E-09	4.6432E-10	-5.4288E-09	5.0152E-10
18.2	-4.7718E-09	5.0259E-10	-4.8970E-09	5.3821E-10
18.3	-4.3041E-09	5.2907E-10	-4.4160E-09	5.6304E-10
18.4	-3.8811E-09	5.4566E-10	-3.9811E-09	5.7794E-10
18.5	-3.4986E-09	5.5401E-10	-3.5880E-09	5.8459E-10
18.6	-3.1528E-09	5.5557E-10	-3.2328E-09	5.8445E-10
18.7	-2.8404E-09	5.5155E-10	-2.9118E-09	5.7876E-10
18.8	-2.5582E-09	5.4303E-10	-2.6220E-09	5.6860E-10
18.9	-2.3034E-09	5.3090E-10	-2.3603E-09	5.5489E-10
19.0	-2.0733E-09	5.1594E-10	-2.1240E-09	5.3840E-10
19.1	-1.8656E-09	4.9882E-10	-1.9109E-09	5.1981E-10
19.2	-1.6782E-09	4.8010E-10	-1.7186E-09	4.9967E-10
19.3	-1.5091E-09	4.6024E-10	-1.5451E-09	4.7847E-10
19.4	-1.3567E-09	4.3964E-10	-1.3888E-09	4.5660E-10
19.5	-1.2192E-09	4.1864E-10	-1.2478E-09	4.3439E-10
19.6	-1.0953E-09	3.9750E-10	-1.1208E-09	4.1211E-10
19.7	-9.8373E-10	3.7646E-10	-1.0064E-09	3.9000E-10
19.8	-8.8320E-10	3.5569E-10	-9.0338E-10	3.6822E-10
19.9	-7.9267E-10	3.3535E-10	-8.1063E-10	3.4693E-10
20.0	-7.1118E-10	3.1555E-10	-7.2715E-10	3.2625E-10

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-2.6180E-01	INFINITY	- INFINITY
0.1	2.4262E+00	-2.5809E-01	9.517E+00	-2.6135E+00
0.2	1.7503E+00	-2.5037E-01	4.6068E+00	-1.3274E+00
0.3	1.3683E+00	-2.4051E-01	2.9425E+00	-8.9822E-01
0.4	1.1085E+00	-2.2939E-01	2.0980E+00	-6.8157E-01
0.5	9.1653E-01	-2.1759E-01	1.5859E+00	-5.4924E-01
0.6	7.6795E-01	-2.0549E-01	1.2425E+00	-4.5884E-01
0.7	6.4943E-01	-1.9334E-01	9.9693E-01	-3.9237E-01
0.8	5.5293E-01	-1.8134E-01	8.1357E-01	-3.4089E-01
0.9	4.7318E-01	-1.6964E-01	6.7227E-01	-2.9951E-01
1.0	4.0654E-01	-1.5831E-01	5.6079E-01	-2.6530E-01
1.1	3.5036E-01	-1.4743E-01	4.7126E-01	-2.3642E-01
1.2	3.0269E-01	-1.3704E-01	3.9833E-01	-2.1164E-01
1.3	2.6202E-01	-1.2717E-01	3.3825E-01	-1.9011E-01
1.4	2.2716E-01	-1.1783E-01	2.8832E-01	-1.7122E-01
1.5	1.9717E-01	-1.0902E-01	2.4650E-01	-1.5451E-01
1.6	1.7131E-01	-1.0073E-01	2.1127E-01	-1.3966E-01
1.7	1.4894E-01	-9.2968E-02	1.8143E-01	-1.2639E-01
1.8	1.2956E-01	-8.5704E-02	1.5606E-01	-1.1448E-01
1.9	1.1274E-01	-7.8925E-02	1.3441E-01	-1.0376E-01
2.0	9.8117E-02	-7.2609E-02	1.1587E-01	-9.4100E-02
2.1	8.5392E-02	-6.6736E-02	9.9960E-02	-8.5368E-02
2.2	7.4308E-02	-6.1284E-02	8.6277E-02	-7.7466E-02
2.3	6.4647E-02	-5.6229E-02	7.4488E-02	-7.0306E-02
2.4	5.6221E-02	-5.1550E-02	6.4316E-02	-6.3813E-02
2.5	4.8869E-02	-4.7224E-02	5.5528E-02	-5.7919E-02
2.6	4.2453E-02	-4.3228E-02	4.7928E-02	-5.2568E-02
2.7	3.6852E-02	-3.9542E-02	4.1351E-02	-4.7706E-02
2.8	3.1963E-02	-3.6146E-02	3.5656E-02	-4.3288E-02
2.9	2.7695E-02	-3.3019E-02	3.0722E-02	-3.9273E-02
3.0	2.3971E-02	-3.0143E-02	2.6446E-02	-3.5623E-02
3.1	2.0721E-02	-2.7500E-02	2.2740E-02	-3.2305E-02
3.2	1.7887E-02	-2.5074E-02	1.9529E-02	-2.9289E-02
3.3	1.5416E-02	-2.2848E-02	1.6746E-02	-2.6548E-02
3.4	1.3263E-02	-2.0807E-02	1.4336E-02	-2.4056E-02
3.5	1.1389E-02	-1.8938E-02	1.2248E-02	-2.1792E-02
3.6	9.7582E-03	-1.7227E-02	1.0442E-02	-1.9736E-02
3.7	8.3407E-03	-1.5662E-02	8.8800E-03	-1.7867E-02
3.8	7.1096E-03	-1.4231E-02	7.5301E-03	-1.6170E-02
3.9	6.0416E-03	-1.2924E-02	6.3649E-03	-1.4630E-02
4.0	5.1163E-03	-1.1731E-02	5.3601E-03	-1.3232E-02
4.1	4.3156E-03	-1.0643E-02	4.4947E-03	-1.1963E-02
4.2	3.6238E-03	-9.6503E-03	3.7505E-03	-1.0812E-02
4.3	3.0271E-03	-8.7458E-03	3.1116E-03	-9.7679E-03
4.4	2.5133E-03	-7.9220E-03	2.5640E-03	-8.8215E-03
4.5	2.0718E-03	-7.1721E-03	2.0957E-03	-7.9638E-03
4.6	1.6933E-03	-6.4900E-03	1.6961E-03	-7.1867E-03
4.7	1.3696E-03	-5.8697E-03	1.3560E-03	-6.4829E-03
4.8	1.0936E-03	-5.3061E-03	1.0674E-03	-5.8456E-03
4.9	8.5887E-04	-4.7941E-03	8.2341E-04	-5.2689E-03
5.0	6.6005E-04	-4.3294E-03	6.1785E-04	-4.7471E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	6.6005E-04	-4.3294E-03	6.1785E-04	-4.7471E-03
5.1	4.9229E-04	-3.9077E-03	4.4544E-04	-4.2752E-03
5.2	3.5138E-04	-3.5253E-03	3.0157E-04	-3.8486E-03
5.3	2.3367E-04	-3.1787E-03	1.8223E-04	-3.4630E-03
5.4	1.3593E-04	-2.8647E-03	8.3924E-05	-3.1147E-03
5.5	5.5356E-05	-2.5804E-03	3.6293E-06	-2.8001E-03
5.6	-1.0480E-05	-2.3231E-03	-6.1291E-05	-2.5162E-03
5.7	-6.3712E-05	-2.0904E-03	-1.1312E-04	-2.2600E-03
5.8	-1.0619E-04	-1.8800E-03	-1.5383E-04	-2.0290E-03
5.9	-1.3952E-04	-1.6898E-03	-1.8514E-04	-1.8206E-03
6.0	-1.6510E-04	-1.5181E-03	-2.0853E-04	-1.6329E-03
6.1	-1.8413E-04	-1.3630E-03	-2.2527E-04	-1.4638E-03
6.2	-1.9767E-04	-1.2231E-03	-2.3647E-04	-1.3115E-03
6.3	-2.0662E-04	-1.0970E-03	-2.4306E-04	-1.1744E-03
6.4	-2.1175E-04	-9.8325E-04	-2.4587E-04	-1.0511E-03
6.5	-2.1374E-04	-8.8081E-04	-2.4558E-04	-9.4024E-04
6.6	-2.1315E-04	-7.8856E-04	-2.4280E-04	-8.4059E-04
6.7	-2.1049E-04	-7.0554E-04	-2.3802E-04	-7.5105E-04
6.8	-2.0618E-04	-6.3087E-04	-2.3168E-04	-6.7066E-04
6.9	-2.0056E-04	-5.6373E-04	-2.2414E-04	-5.9850E-04
7.0	-1.9395E-04	-5.0341E-04	-2.1571E-04	-5.3377E-04
7.1	-1.8660E-04	-4.4924E-04	-2.0665E-04	-4.7572E-04
7.2	-1.7872E-04	-4.0062E-04	-1.9716E-04	-4.2371E-04
7.3	-1.7050E-04	-3.5701E-04	-1.8744E-04	-3.7712E-04
7.4	-1.6208E-04	-3.1791E-04	-1.7762E-04	-3.3541E-04
7.5	-1.5358E-04	-2.8288E-04	-1.6782E-04	-2.9809E-04
7.6	-1.4512E-04	-2.5151E-04	-1.5814E-04	-2.6472E-04
7.7	-1.3676E-04	-2.2343E-04	-1.4866E-04	-2.3490E-04
7.8	-1.2857E-04	-1.9833E-04	-1.3944E-04	-2.0826E-04
7.9	-1.2062E-04	-1.7589E-04	-1.3053E-04	-1.8449E-04
8.0	-1.1292E-04	-1.5584E-04	-1.2195E-04	-1.6328E-04
8.1	-1.0552E-04	-1.3795E-04	-1.1374E-04	-1.4437E-04
8.2	-9.8425E-05	-1.2200E-04	-1.0591E-04	-1.2753E-04
8.3	-9.1661E-05	-1.0777E-04	-9.8460E-05	-1.1253E-04
8.4	-8.5231E-05	-9.5103E-05	-9.1405E-05	-9.9190E-05
8.5	-7.9138E-05	-8.3827E-05	-8.4740E-05	-8.7330E-05
8.6	-7.3380E-05	-7.3800E-05	-7.8459E-05	-7.6795E-05
8.7	-6.7954E-05	-6.4889E-05	-7.2556E-05	-6.7444E-05
8.8	-6.2852E-05	-5.6978E-05	-6.7019E-05	-5.9151E-05
8.9	-5.8066E-05	-4.9959E-05	-6.1836E-05	-5.1803E-05
9.0	-5.3584E-05	-4.3739E-05	-5.6993E-05	-4.5298E-05
9.1	-4.9396E-05	-3.8231E-05	-5.2477E-05	-3.9544E-05
9.2	-4.5489E-05	-3.3359E-05	-4.8271E-05	-3.4460E-05
9.3	-4.1850E-05	-2.9054E-05	-4.4361E-05	-2.9973E-05
9.4	-3.8466E-05	-2.5253E-05	-4.0731E-05	-2.6016E-05
9.5	-3.5324E-05	-2.1902E-05	-3.7366E-05	-2.2531E-05
9.6	-3.2410E-05	-1.8950E-05	-3.4249E-05	-1.9466E-05
9.7	-2.9711E-05	-1.6354E-05	-3.1367E-05	-1.6772E-05
9.8	-2.7214E-05	-1.4074E-05	-2.8705E-05	-1.4409E-05
9.9	-2.4907E-05	-1.2074E-05	-2.6248E-05	-1.2339E-05
10.0	-2.2778E-05	-1.0322E-05	-2.3983E-05	-1.0528E-05

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-2.2778E-05	-1.0322E-05	-2.3983E-05	-1.0528E-05
10.1	-2.0815E-05	-8.7896E-06	-2.1898E-05	-8.9458E-06
10.2	-1.9007E-05	-7.4520E-06	-1.9979E-05	-7.5666E-06
10.3	-1.7344E-05	-6.2865E-06	-1.8216E-05	-6.3664E-06
10.4	-1.5814E-05	-5.2729E-06	-1.6597E-05	-5.3241E-06
10.5	-1.4410E-05	-4.3932E-06	-1.5111E-05	-4.4209E-06
10.6	-1.3121E-05	-3.6316E-06	-1.3750E-05	-3.6401E-06
10.7	-1.1939E-05	-2.9738E-06	-1.2502E-05	-2.9668E-06
10.8	-1.0857E-05	-2.4073E-06	-1.1361E-05	-2.3880E-06
10.9	-9.8658E-06	-1.9209E-06	-1.0316E-05	-1.8919E-06
11.0	-8.9594E-06	-1.5047E-06	-9.3623E-06	-1.4682E-06
11.1	-8.1310E-06	-1.1499E-06	-8.4910E-06	-1.1079E-06
11.2	-7.3744E-06	-8.4873E-07	-7.6959E-06	-8.0272E-07
11.3	-6.6840E-06	-5.9432E-07	-6.9709E-06	-5.4562E-07
11.4	-6.0543E-06	-3.8059E-07	-6.3102E-06	-3.3029E-07
11.5	-5.4804E-06	-2.0219E-07	-5.7086E-06	-1.5117E-07
11.6	-4.9578E-06	-5.4410E-08	-5.1611E-06	-3.3856E-09
11.7	-4.4822E-06	6.6916E-08	-4.6632E-06	1.1737E-07
11.8	-4.0496E-06	1.6544E-07	-4.2107E-06	2.1487E-07
11.9	-3.6565E-06	2.4437E-07	-3.7997E-06	2.9242E-07
12.0	-3.2994E-06	3.0651E-07	-3.4266E-06	3.5292E-07
12.1	-2.9752E-06	3.5433E-07	-3.0883E-06	3.9891E-07
12.2	-2.6812E-06	3.8998E-07	-2.7815E-06	4.3258E-07
12.3	-2.4147E-06	4.1533E-07	-2.5036E-06	4.5586E-07
12.4	-2.1732E-06	4.3201E-07	-2.2520E-06	4.7044E-07
12.5	-1.9545E-06	4.4146E-07	-2.0244E-06	4.7776E-07
12.6	-1.7567E-06	4.4489E-07	-1.8185E-06	4.7908E-07
12.7	-1.5778E-06	4.4337E-07	-1.6325E-06	4.7548E-07
12.8	-1.4162E-06	4.3782E-07	-1.4645E-06	4.6790E-07
12.9	-1.2702E-06	4.2903E-07	-1.3128E-06	4.5714E-07
13.0	-1.1384E-06	4.1767E-07	-1.1760E-06	4.4389E-07
13.1	-1.0196E-06	4.0433E-07	-1.0527E-06	4.2873E-07
13.2	-9.1250E-07	3.8949E-07	-9.4166E-07	4.1216E-07
13.3	-8.1601E-07	3.7358E-07	-8.4166E-07	3.9461E-07
13.4	-7.2916E-07	3.5693E-07	-7.5169E-07	3.7641E-07
13.5	-6.5103E-07	3.3986E-07	-6.7080E-07	3.5787E-07
13.6	-5.8078E-07	3.2260E-07	-5.9812E-07	3.3922E-07
13.7	-5.1768E-07	3.0535E-07	-5.3285E-07	3.2068E-07
13.8	-4.6103E-07	2.8828E-07	-4.7430E-07	3.0240E-07
13.9	-4.1020E-07	2.7152E-07	-4.2179E-07	2.8451E-07
14.0	-3.6464E-07	2.5518E-07	-3.7474E-07	2.6711E-07
14.1	-3.2382E-07	2.3934E-07	-3.3261E-07	2.5029E-07
14.2	-2.8728E-07	2.2406E-07	-2.9492E-07	2.3411E-07
14.3	-2.5459E-07	2.0939E-07	-2.6122E-07	2.1859E-07
14.4	-2.2537E-07	1.9536E-07	-2.3112E-07	2.0378E-07
14.5	-1.9928E-07	1.8199E-07	-2.0425E-07	1.8969E-07
14.6	-1.7600E-07	1.6929E-07	-1.8028E-07	1.7632E-07
14.7	-1.5524E-07	1.5726E-07	-1.5892E-07	1.6368E-07
14.8	-1.3674E-07	1.4590E-07	-1.3990E-07	1.5175E-07
14.9	-1.2028E-07	1.3518E-07	-1.2298E-07	1.4052E-07
15.0	-1.0564E-07	1.2511E-07	-1.0795E-07	1.2997E-07

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	-1.0564E-07	1.2511E-07	-1.0795E-07	1.2997E-07
15.1	-9.2639E-08	1.1566E-07	-9.4598E-08	1.2008E-07
15.2	-8.1099E-08	1.0680E-07	-8.2757E-08	1.1082E-07
15.3	-7.0867E-08	9.8524E-08	-7.2264E-08	1.0217E-07
15.4	-6.1806E-08	9.0797E-08	-6.2976E-08	9.4110E-08
15.5	-5.3790E-08	8.3595E-08	-5.4765E-08	8.6600E-08
15.6	-4.6708E-08	7.6893E-08	-4.7514E-08	7.9618E-08
15.7	-4.0458E-08	7.0665E-08	-4.1119E-08	7.3133E-08
15.8	-3.4950E-08	6.4885E-08	-3.5487E-08	6.7120E-08
15.9	-3.0102E-08	5.9527E-08	-3.0533E-08	6.1549E-08
16.0	-2.5842E-08	5.4567E-08	-2.6183E-08	5.6395E-08
16.1	-2.2104E-08	4.9980E-08	-2.2368E-08	5.1632E-08
16.2	-1.8830E-08	4.5742E-08	-1.9028E-08	4.7234E-08
16.3	-1.5967E-08	4.1832E-08	-1.6111E-08	4.3179E-08
16.4	-1.3468E-08	3.8228E-08	-1.3566E-08	3.9442E-08
16.5	-1.1291E-08	3.4908E-08	-1.1351E-08	3.6003E-08
16.6	-9.3994E-09	3.1854E-08	-9.4277E-09	3.2840E-08
16.7	-7.7594E-09	2.9046E-08	-7.7618E-09	2.9934E-08
16.8	-6.3411E-09	2.6467E-08	-6.3227E-09	2.7266E-08
16.9	-5.1182E-09	2.4101E-08	-5.0830E-09	2.4819E-08
17.0	-4.0671E-09	2.1931E-08	-4.0186E-09	2.2576E-08
17.1	-3.1667E-09	1.9942E-08	-3.1080E-09	2.0522E-08
17.2	-2.3985E-09	1.8122E-08	-2.3322E-09	1.8643E-08
17.3	-1.7460E-09	1.6458E-08	-1.6742E-09	1.6924E-08
17.4	-1.1944E-09	1.4936E-08	-1.1190E-09	1.5354E-08
17.5	-7.3096E-10	1.3546E-08	-6.5328E-10	1.3920E-08
17.6	-3.4408E-10	1.2277E-08	-2.6543E-10	1.2612E-08
17.7	-2.3658E-11	1.1120E-08	5.4946E-11	1.1420E-08
17.8	2.3923E-10	1.0065E-08	3.1697E-10	1.0333E-08
17.9	4.5245E-10	9.1045E-09	5.2868E-10	9.3440E-09
18.0	6.2293E-10	8.2301E-09	6.9715E-10	8.4440E-09
18.1	7.5676E-10	7.4348E-09	8.2855E-10	7.6256E-09
18.2	8.5926E-10	6.7120E-09	9.2834E-10	6.8820E-09
18.3	9.3511E-10	6.0553E-09	1.0013E-09	6.2068E-09
18.4	9.8839E-10	5.4593E-09	1.0515E-09	5.5941E-09
18.5	1.0227E-09	4.9185E-09	1.0826E-09	5.0385E-09
18.6	1.0410E-09	4.4283E-09	1.0978E-09	4.5349E-09
18.7	1.0462E-09	3.9842E-09	1.0998E-09	4.0789E-09
18.8	1.0404E-09	3.5821E-09	1.0909E-09	3.6661E-09
18.9	1.0258E-09	3.2183E-09	1.0732E-09	3.2928E-09
19.0	1.0041E-09	2.8894E-09	1.0485E-09	2.9553E-09
19.1	9.7668E-10	2.5921E-09	1.0183E-09	2.6505E-09
19.2	9.4494E-10	2.3237E-09	9.8374E-10	2.3753E-09
19.3	9.0993E-10	2.0815E-09	9.4607E-10	2.1270E-09
19.4	8.7256E-10	1.8630E-09	9.0618E-10	1.9032E-09
19.5	8.3362E-10	1.6662E-09	8.6484E-10	1.7016E-09
19.6	7.9377E-10	1.4889E-09	8.2271E-10	1.5201E-09
19.7	7.5354E-10	1.3294E-09	7.8034E-10	1.3568E-09
19.8	7.1338E-10	1.1859E-09	7.3817E-10	1.2099E-09
19.9	6.7367E-10	1.0569E-09	6.9656E-10	1.0780E-09
20.0	6.3471E-10	9.4113E-10	6.5582E-10	9.5959E-10

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-3.4907E-01	INFINITY	- INFINITY
0.1	2.4256E+00	-3.4423E-01	9.2537E+00	-3.4539E+00
0.2	1.7485E+00	-3.3414E-01	4.4765E+00	-1.7546E+00
0.3	1.3650E+00	-3.2119E-01	2.8552E+00	-1.1877E+00
0.4	1.1038E+00	-3.0653E-01	2.0316E+00	-9.0154E-01
0.5	9.1044E-01	-2.9092E-01	1.5316E+00	-7.2674E-01
0.6	7.6053E-01	-2.7486E-01	1.1960E+00	-6.0730E-01
0.7	6.4081E-01	-2.5870E-01	9.5582E-01	-5.1942E-01
0.8	5.4325E-01	-2.4269E-01	7.7639E-01	-4.5132E-01
0.9	4.6259E-01	-2.2704E-01	6.3809E-01	-3.9653E-01
1.0	3.9519E-01	-2.1186E-01	5.2901E-01	-3.5118E-01
1.1	3.3840E-01	-1.9725E-01	4.4146E-01	-3.1286E-01
1.2	2.9025E-01	-1.8327E-01	3.7022E-01	-2.7994E-01
1.3	2.4923E-01	-1.6997E-01	3.1164E-01	-2.5130E-01
1.4	2.1414E-01	-1.5736E-01	2.6306E-01	-2.2615E-01
1.5	1.8403E-01	-1.4546E-01	2.2248E-01	-2.0390E-01
1.6	1.5815E-01	-1.3426E-01	1.8842E-01	-1.8409E-01
1.7	1.3584E-01	-1.2375E-01	1.5968E-01	-1.6637E-01
1.8	1.1660E-01	-1.1391E-01	1.3536E-01	-1.5047E-01
1.9	9.9976E-02	-1.0472E-01	1.1472E-01	-1.3615E-01
2.0	8.5611E-02	-9.6159E-02	9.7155E-02	-1.2324E-01
2.1	7.3191E-02	-8.8196E-02	8.2189E-02	-1.1156E-01
2.2	6.2452E-02	-8.0804E-02	6.9418E-02	-1.0100E-01
2.3	5.3166E-02	-7.3953E-02	5.8513E-02	-9.1432E-02
2.4	4.5141E-02	-6.7613E-02	4.9195E-02	-8.2757E-02
2.5	3.8208E-02	-6.1755E-02	4.1234E-02	-7.4889E-02
2.6	3.2224E-02	-5.6350E-02	3.4432E-02	-6.7749E-02
2.7	2.7064E-02	-5.1368E-02	2.8624E-02	-6.1270E-02
2.8	2.2620E-02	-4.6784E-02	2.3668E-02	-5.5388E-02
2.9	1.8798E-02	-4.2569E-02	1.9445E-02	-5.0051E-02
3.0	1.5517E-02	-3.8699E-02	1.5850E-02	-4.5206E-02
3.1	1.2705E-02	-3.5149E-02	1.2797E-02	-4.0811E-02
3.2	1.0301E-02	-3.1897E-02	1.0209E-02	-3.6824E-02
3.3	8.2505E-03	-2.8920E-02	8.0213E-03	-3.3208E-02
3.4	6.5071E-03	-2.6198E-02	6.1770E-03	-2.9930E-02
3.5	5.0295E-03	-2.3711E-02	4.6280E-03	-2.6959E-02
3.6	3.7821E-03	-2.1442E-02	3.3324E-03	-2.4268E-02
3.7	2.7335E-03	-1.9373E-02	2.2542E-03	-2.1832E-02
3.8	1.8566E-03	-1.7488E-02	1.3620E-03	-1.9627E-02
3.9	1.1276E-03	-1.5773E-02	6.2895E-04	-1.7632E-02
4.0	5.2583E-04	-1.4213E-02	3.1700E-05	-1.5829E-02
4.1	3.3245E-05	-1.2796E-02	-4.4990E-04	-1.4200E-02
4.2	-3.6585E-04	-1.1509E-02	-8.3326E-04	-1.2729E-02
4.3	-6.8512E-04	-1.0343E-02	-1.1334E-03	-1.1401E-02
4.4	-9.3643E-04	-9.2858E-03	-1.3633E-03	-1.0204E-02
4.5	-1.1301E-03	-8.3288E-03	-1.5341E-03	-9.1246E-03
4.6	-1.2750E-03	-7.4632E-03	-1.6554E-03	-8.1523E-03
4.7	-1.3790E-03	-6.6809E-03	-1.7355E-03	-7.2771E-03
4.8	-1.4487E-03	-5.9745E-03	-1.7816E-03	-6.4898E-03
4.9	-1.4899E-03	-5.3372E-03	-1.7996E-03	-5.7821E-03
5.0	-1.5076E-03	-4.7627E-03	-1.7948E-03	-5.1464E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	-1.5076E-03	-4.7627E-03	-1.7948E-03	-5.1464E-03
5.1	-1.5060E-03	-4.2454E-03	-1.7716E-03	-4.5758E-03
5.2	-1.4887E-03	-3.7799E-03	-1.7338E-03	-4.0641E-03
5.3	-1.4591E-03	-3.3614E-03	-1.6847E-03	-3.6055E-03
5.4	-1.4196E-03	-2.9856E-03	-1.6268E-03	-3.1948E-03
5.5	-1.3726E-03	-2.6484E-03	-1.5625E-03	-2.8275E-03
5.6	-1.3199E-03	-2.3462E-03	-1.4938E-03	-2.4990E-03
5.7	-1.2632E-03	-2.0755E-03	-1.4221E-03	-2.2058E-03
5.8	-1.2039E-03	-1.8334E-03	-1.3488E-03	-1.9441E-03
5.9	-1.1431E-03	-1.6170E-03	-1.2751E-03	-1.7108E-03
6.0	-1.0816E-03	-1.4238E-03	-1.2017E-03	-1.5031E-03
6.1	-1.0203E-03	-1.2516E-03	-1.1293E-03	-1.3183E-03
6.2	-9.5971E-04	-1.0982E-03	-1.0587E-03	-1.1541E-03
6.3	-9.0040E-04	-9.6166E-04	-9.9007E-04	-1.0084E-03
6.4	-8.4273E-04	-8.4038E-04	-9.2389E-04	-8.7915E-04
6.5	-7.8699E-04	-7.3274E-04	-8.6037E-04	-7.6475E-04
6.6	-7.3341E-04	-6.3735E-04	-7.9968E-04	-6.6358E-04
6.7	-6.8213E-04	-5.5293E-04	-7.4193E-04	-5.7424E-04
6.8	-6.3328E-04	-4.7831E-04	-6.8717E-04	-4.9546E-04
6.9	-5.8689E-04	-4.1248E-04	-6.3541E-04	-4.2609E-04
7.0	-5.4301E-04	-3.5447E-04	-5.8665E-04	-3.6512E-04
7.1	-5.0161E-04	-3.0346E-04	-5.4083E-04	-3.1161E-04
7.2	-4.6267E-04	-2.5867E-04	-4.9788E-04	-2.6474E-04
7.3	-4.2613E-04	-2.1943E-04	-4.5771E-04	-2.2376E-04
7.4	-3.9193E-04	-1.8512E-04	-4.2023E-04	-1.8801E-04
7.5	-3.5998E-04	-1.5518E-04	-3.8532E-04	-1.5689E-04
7.6	-3.3021E-04	-1.2912E-04	-3.5287E-04	-1.2987E-04
7.7	-3.0252E-04	-1.0649E-04	-3.2277E-04	-1.0647E-04
7.8	-2.7680E-04	-8.6906E-05	-2.9488E-04	-8.6260E-05
7.9	-2.5296E-04	-6.9999E-05	-2.6909E-04	-6.8868E-05
8.0	-2.3091E-04	-5.5456E-05	-2.4527E-04	-5.3951E-05
8.1	-2.1052E-04	-4.2993E-05	-2.2331E-04	-4.1207E-05
8.2	-1.9172E-04	-3.2357E-05	-2.0310E-04	-3.0368E-05
8.3	-1.7440E-04	-2.3323E-05	-1.8450E-04	-2.1196E-05
8.4	-1.5847E-04	-1.5690E-05	-1.6743E-04	-1.3478E-05
8.5	-1.4383E-04	-9.2807E-06	-1.5178E-04	-7.0276E-06
8.6	-1.3039E-04	-3.9375E-06	-1.3743E-04	-1.6782E-06
8.7	-1.1808E-04	4.7951E-07	-1.2431E-04	2.7168E-06
8.8	-1.0682E-04	4.0941E-06	-1.1232E-04	6.2871E-06
8.9	-9.6519E-05	7.0154E-06	-1.0138E-04	9.1469E-06
9.0	-8.7116E-05	9.3397E-06	-9.1398E-05	1.1397E-05
9.1	-7.8540E-05	1.1152E-05	-8.2311E-05	1.3125E-05
9.2	-7.0728E-05	1.2527E-05	-7.4043E-05	1.4409E-05
9.3	-6.3620E-05	1.3529E-05	-6.6530E-05	1.5317E-05
9.4	-5.7159E-05	1.4217E-05	-5.9711E-05	1.5907E-05
9.5	-5.1293E-05	1.4640E-05	-5.3527E-05	1.6232E-05
9.6	-4.5973E-05	1.4841E-05	-4.7925E-05	1.6337E-05
9.7	-4.1154E-05	1.4859E-05	-4.2857E-05	1.6259E-05
9.8	-3.6793E-05	1.4727E-05	-3.8276E-05	1.6034E-05
9.9	-3.2851E-05	1.4473E-05	-3.4140E-05	1.5690E-05
10.0	-2.9292E-05	1.4121E-05	-3.0410E-05	1.5252E-05

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-2.9292E-05	1.4121E-05	-3.0410E-05	1.5252E-05
10.1	-2.6081E-05	1.3693E-05	-2.7049E-05	1.4741E-05
10.2	-2.3190E-05	1.3207E-05	-2.4025E-05	1.4176E-05
10.3	-2.0587E-05	1.2677E-05	-2.1307E-05	1.3572E-05
10.4	-1.8248E-05	1.2117E-05	-1.8866E-05	1.2943E-05
10.5	-1.6149E-05	1.1538E-05	-1.6678E-05	1.2298E-05
10.6	-1.4266E-05	1.0950E-05	-1.4717E-05	1.1647E-05
10.7	-1.2579E-05	1.0358E-05	-1.2963E-05	1.0998E-05
10.8	-1.1071E-05	9.7712E-06	-1.1396E-05	1.0357E-05
10.9	-9.7239E-06	9.1930E-06	-9.9970E-06	9.7289E-06
11.0	-8.5220E-06	8.6278E-06	-8.7506E-06	9.1173E-06
11.1	-7.4511E-06	8.0790E-06	-7.6413E-06	8.5255E-06
11.2	-6.4986E-06	7.5490E-06	-6.6556E-06	7.9557E-06
11.3	-5.6524E-06	7.0396E-06	-5.7808E-06	7.4097E-06
11.4	-4.9019E-06	6.5522E-06	-5.0058E-06	6.8885E-06
11.5	-4.2373E-06	6.0876E-06	-4.3203E-06	6.3929E-06
11.6	-3.6498E-06	5.6464E-06	-3.7150E-06	5.9231E-06
11.7	-3.1314E-06	5.2286E-06	-3.1814E-06	5.4792E-06
11.8	-2.6748E-06	4.8342E-06	-2.7120E-06	5.0609E-06
11.9	-2.2734E-06	4.4628E-06	-2.2999E-06	4.6677E-06
12.0	-1.9214E-06	4.1141E-06	-1.9389E-06	4.2990E-06
12.1	-1.6133E-06	3.7873E-06	-1.6233E-06	3.9540E-06
12.2	-1.3443E-06	3.4817E-06	-1.3482E-06	3.6319E-06
12.3	-1.1101E-06	3.1966E-06	-1.1089E-06	3.3317E-06
12.4	-9.0677E-07	2.9311E-06	-9.0155E-07	3.0525E-06
12.5	-7.3076E-07	2.6843E-06	-7.2233E-07	2.7933E-06
12.6	-5.7894E-07	2.4553E-06	-5.6800E-07	2.5530E-06
12.7	-4.4849E-07	2.2431E-06	-4.3563E-07	2.3306E-06
12.8	-3.3685E-07	2.0467E-06	-3.2259E-07	2.1251E-06
12.9	-2.4178E-07	1.8654E-06	-2.2654E-07	1.9354E-06
13.0	-1.6125E-07	1.6982E-06	-1.4538E-07	1.7607E-06
13.1	-9.3450E-08	1.5442E-06	-7.7251E-08	1.5999E-06
13.2	-3.6783E-08	1.4025E-06	-2.0491E-08	1.4522E-06
13.3	1.0184E-08	1.2724E-06	2.6372E-08	1.3166E-06
13.4	4.8717E-08	1.1530E-06	6.4646E-08	1.1923E-06
13.5	7.9943E-08	1.0437E-06	9.5486E-08	1.0785E-06
13.6	1.0486E-07	9.4357E-07	1.1992E-07	9.7443E-07
13.7	1.2434E-07	8.5210E-07	1.3884E-07	8.7941E-07
13.8	1.3916E-07	7.6860E-07	1.5306E-07	7.9272E-07
13.9	1.5001E-07	6.9245E-07	1.6326E-07	7.1374E-07
14.0	1.5749E-07	6.2310E-07	1.7007E-07	6.4186E-07
14.1	1.6212E-07	5.6002E-07	1.7403E-07	5.7651E-07
14.2	1.6436E-07	5.0269E-07	1.7559E-07	5.1718E-07
14.3	1.6462E-07	4.5066E-07	1.7518E-07	4.6335E-07
14.4	1.6324E-07	4.0348E-07	1.7314E-07	4.1459E-07
14.5	1.6053E-07	3.6077E-07	1.6979E-07	3.7046E-07
14.6	1.5675E-07	3.2213E-07	1.6539E-07	3.3057E-07
14.7	1.5213E-07	2.8721E-07	1.6017E-07	2.9455E-07
14.8	1.4686E-07	2.5571E-07	1.5433E-07	2.6207E-07
14.9	1.4110E-07	2.2731E-07	1.4803E-07	2.3281E-07
15.0	1.3501E-07	2.0174E-07	1.4141E-07	2.0648E-07

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	1.3501E-07	2.0174E-07	1.4141E-07	2.0648E-07
15.1	1.2869E-07	1.7875E-07	1.3461E-07	1.8282E-07
15.2	1.2224E-07	1.5810E-07	1.2770E-07	1.6159E-07
15.3	1.1576E-07	1.3958E-07	1.2079E-07	1.4255E-07
15.4	1.0932E-07	1.2298E-07	1.1394E-07	1.2551E-07
15.5	1.0295E-07	1.0814E-07	1.0720E-07	1.1027E-07
15.6	9.6726E-08	9.4873E-08	1.0061E-07	9.6663E-08
15.7	9.0668E-08	8.3039E-08	9.4227E-08	8.4533E-08
15.8	8.4808E-08	7.2496E-08	8.8061E-08	7.3733E-08
15.9	7.9167E-08	6.3118E-08	8.2138E-08	6.4132E-08
16.0	7.3762E-08	5.4788E-08	7.6471E-08	5.5610E-08
16.1	6.8602E-08	4.7402E-08	7.1070E-08	4.8059E-08
16.2	6.3694E-08	4.0864E-08	6.5939E-08	4.1380E-08
16.3	5.9041E-08	3.5087E-08	6.1080E-08	3.5483E-08
16.4	5.4641E-08	2.9992E-08	5.6493E-08	3.0286E-08
16.5	5.0494E-08	2.5508E-08	5.2172E-08	2.5716E-08
16.6	4.6594E-08	2.1570E-08	4.8113E-08	2.1706E-08
16.7	4.2934E-08	1.8119E-08	4.4308E-08	1.8195E-08
16.8	3.9508E-08	1.5103E-08	4.0750E-08	1.5128E-08
16.9	3.6308E-08	1.2473E-08	3.7428E-08	1.2458E-08
17.0	3.3323E-08	1.0188E-08	3.4333E-08	1.0139E-08
17.1	3.0545E-08	8.2069E-09	3.1455E-08	8.1321E-09
17.2	2.7964E-08	6.4965E-09	2.8783E-08	6.4010E-09
17.3	2.5570E-08	5.0252E-09	2.6305E-08	4.9138E-09
17.4	2.3353E-08	3.7648E-09	2.4013E-08	3.6416E-09
17.5	2.1303E-08	2.6903E-09	2.1894E-08	2.5588E-09
17.6	1.9410E-08	1.7792E-09	1.9940E-08	1.6422E-09
17.7	1.7665E-08	1.0114E-09	1.8138E-08	8.7150E-10
17.8	1.6058E-08	3.6905E-10	1.6481E-08	2.2820E-10
17.9	1.4580E-08	-1.6383E-10	1.4957E-08	-3.0398E-10
18.0	1.3223E-08	-6.0142E-10	1.3559E-08	-7.3952E-10
18.1	1.1979E-08	-9.5631E-10	1.2278E-08	-1.0913E-09
18.2	1.0839E-08	-1.2397E-09	1.1104E-08	-1.3707E-09
18.3	9.7957E-09	-1.4614E-09	1.0031E-08	-1.5878E-09
18.4	8.8426E-09	-1.6301E-09	9.0512E-09	-1.7516E-09
18.5	7.9727E-09	-1.7537E-09	8.1572E-09	-1.8697E-09
18.6	7.1796E-09	-1.8389E-09	7.3425E-09	-1.9493E-09
18.7	6.4575E-09	-1.8915E-09	6.6011E-09	-1.9962E-09
18.8	5.8007E-09	-1.9169E-09	5.9271E-09	-2.0158E-09
18.9	5.2040E-09	-1.9195E-09	5.3150E-09	-2.0127E-09
19.0	4.6625E-09	-1.9034E-09	4.7599E-09	-1.9910E-09
19.1	4.1717E-09	-1.8720E-09	4.2569E-09	-1.9541E-09
19.2	3.7274E-09	-1.8283E-09	3.8018E-09	-1.9050E-09
19.3	3.3257E-09	-1.7748E-09	3.3904E-09	-1.8464E-09
19.4	2.9628E-09	-1.7139E-09	3.0190E-09	-1.7805E-09
19.5	2.6354E-09	-1.6473E-09	2.6841E-09	-1.7092E-09
19.6	2.3404E-09	-1.5767E-09	2.3825E-09	-1.6341E-09
19.7	2.0749E-09	-1.5036E-09	2.1112E-09	-1.5567E-09
19.8	1.8363E-09	-1.4289E-09	1.8674E-09	-1.4780E-09
19.9	1.6221E-09	-1.3538E-09	1.6486E-09	-1.3991E-09
20.0	1.4300E-09	-1.2790E-09	1.4526E-09	-1.3207E-09

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-4.3633E-01	INFINITY	- INFINITY
0.1	2.4248E+00	-4.3048E-01	8.9215E+00	-4.2683E+00
0.2	1.7462E+00	-4.1818E-01	4.3108E+00	-2.1690E+00
0.3	1.3610E+00	-4.0230E-01	2.7441E+00	-1.4688E+00
0.4	1.0978E+00	-3.8425E-01	1.9471E+00	-1.1154E+00
0.5	9.0266E-01	-3.6494E-01	1.4625E+00	-8.9953E-01
0.6	7.5103E-01	-3.4499E-01	1.1368E+00	-7.5197E-01
0.7	6.2974E-01	-3.2485E-01	9.0346E-01	-6.4333E-01
0.8	5.3079E-01	-3.0484E-01	7.2899E-01	-5.5906E-01
0.9	4.4892E-01	-2.8520E-01	5.9448E-01	-4.9118E-01
1.0	3.8050E-01	-2.6610E-01	4.8840E-01	-4.3494E-01
1.1	3.2288E-01	-2.4768E-01	4.0333E-01	-3.8733E-01
1.2	2.7408E-01	-2.3001E-01	3.3422E-01	-3.4637E-01
1.3	2.3257E-01	-2.1316E-01	2.7751E-01	-3.1069E-01
1.4	1.9716E-01	-1.9716E-01	2.3062E-01	-2.7931E-01
1.5	1.6687E-01	-1.8203E-01	1.9161E-01	-2.5151E-01
1.6	1.4093E-01	-1.6776E-01	1.5900E-01	-2.2673E-01
1.7	1.1869E-01	-1.5436E-01	1.3167E-01	-2.0454E-01
1.8	9.9615E-02	-1.4181E-01	1.0868E-01	-1.8461E-01
1.9	8.3251E-02	-1.3008E-01	8.9331E-02	-1.6666E-01
2.0	6.9219E-02	-1.1914E-01	7.3019E-02	-1.5046E-01
2.1	5.7198E-02	-1.0897E-01	5.9267E-02	-1.3581E-01
2.2	4.6912E-02	-9.9521E-02	4.7676E-02	-1.2256E-01
2.3	3.8125E-02	-9.0769E-02	3.7917E-02	-1.1055E-01
2.4	3.0632E-02	-8.2675E-02	2.9712E-02	-9.9676E-02
2.5	2.4260E-02	-7.5201E-02	2.2829E-02	-8.9816E-02
2.6	1.8856E-02	-6.8312E-02	1.7072E-02	-8.0879E-02
2.7	1.4288E-02	-6.1972E-02	1.2273E-02	-7.2779E-02
2.8	1.0444E-02	-5.6146E-02	8.2913E-03	-6.5439E-02
2.9	7.2236E-03	-5.0800E-02	5.0050E-03	-5.8789E-02
3.0	4.5410E-03	-4.5902E-02	2.3111E-03	-5.2767E-02
3.1	2.3214E-03	-4.1421E-02	1.2075E-04	-4.7317E-02
3.2	4.9956E-04	-3.7326E-02	-1.6419E-03	-4.2386E-02
3.3	-9.8121E-04	-3.3590E-02	-3.0422E-03	-3.7929E-02
3.4	-2.1702E-03	-3.0185E-02	-4.1361E-03	-3.3902E-02
3.5	-3.1104E-03	-2.7087E-02	-4.9717E-03	-3.0268E-02
3.6	-3.8389E-03	-2.4271E-02	-5.5904E-03	-2.6989E-02
3.7	-4.3883E-03	-2.1715E-02	-6.0277E-03	-2.4034E-02
3.8	-4.7865E-03	-1.9398E-02	-6.3140E-03	-2.1373E-02
3.9	-5.0579E-03	-1.7301E-02	-6.4754E-03	-1.8980E-02
4.0	-5.2235E-03	-1.5405E-02	-6.5343E-03	-1.6829E-02
4.1	-5.3015E-03	-1.3693E-02	-6.5098E-03	-1.4897E-02
4.2	-5.3075E-03	-1.2149E-02	-6.4182E-03	-1.3165E-02
4.3	-5.2550E-03	-1.0759E-02	-6.2733E-03	-1.1614E-02
4.4	-5.1556E-03	-9.5092E-03	-6.0869E-03	-1.0225E-02
4.5	-5.0190E-03	-8.3870E-03	-5.8689E-03	-8.9846E-03
4.6	-4.8538E-03	-7.3809E-03	-5.6277E-03	-7.8771E-03
4.7	-4.6669E-03	-6.4802E-03	-5.3704E-03	-6.8898E-03
4.8	-4.4645E-03	-5.6750E-03	-5.1027E-03	-6.0110E-03
4.9	-4.2516E-03	-4.9564E-03	-4.8297E-03	-5.2299E-03
5.0	-4.0324E-03	-4.3162E-03	-4.5551E-03	-4.5367E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	-4.0324E-03	-4.3162E-03	-4.5551E-03	-4.5367E-03
5.1	-3.8105E-03	-3.7467E-03	-4.2823E-03	-3.9224E-03
5.2	-3.5886E-03	-3.2410E-03	-4.0139E-03	-3.3791E-03
5.3	-3.3692E-03	-2.7929E-03	-3.7520E-03	-2.8994E-03
5.4	-3.1541E-03	-2.3965E-03	-3.4982E-03	-2.4766E-03
5.5	-2.9449E-03	-2.0466E-03	-3.2536E-03	-2.1047E-03
5.6	-2.7426E-03	-1.7385E-03	-3.0193E-03	-1.7784E-03
5.7	-2.5482E-03	-1.4677E-03	-2.7958E-03	-1.4927E-03
5.8	-2.3622E-03	-1.2303E-03	-2.5835E-03	-1.2432E-03
5.9	-2.1851E-03	-1.0228E-03	-2.3825E-03	-1.0259E-03
6.0	-2.0171E-03	-8.4196E-04	-2.1931E-03	-8.3723E-04
6.1	-1.8584E-03	-6.8478E-04	-2.0149E-03	-6.7390E-04
6.2	-1.7088E-03	-5.4866E-04	-1.8479E-03	-5.3302E-04
6.3	-1.5684E-03	-4.3122E-04	-1.6918E-03	-4.1199E-04
6.4	-1.4369E-03	-3.3031E-04	-1.5463E-03	-3.0847E-04
6.5	-1.3141E-03	-2.4400E-04	-1.4108E-03	-2.2037E-04
6.6	-1.1997E-03	-1.7057E-04	-1.2851E-03	-1.4580E-04
6.7	-1.0934E-03	-1.0846E-04	-1.1687E-03	-8.3103E-05
6.8	-9.9476E-04	-5.6282E-05	-1.0611E-03	-3.0778E-05
6.9	-9.0351E-04	-1.2801E-05	-9.6179E-04	1.2502E-05
7.0	-8.1924E-04	2.3094E-05	-8.7036E-04	4.7919E-05
7.1	-7.4157E-04	5.2389E-05	-7.8632E-04	7.6521E-05
7.2	-6.7012E-04	7.5961E-05	-7.0921E-04	9.9239E-05
7.3	-6.0451E-04	9.4590E-05	-6.3858E-04	1.1689E-04
7.4	-5.4437E-04	1.0896E-04	-5.7400E-04	1.3021E-04
7.5	-4.8934E-04	1.1969E-04	-5.1505E-04	1.3984E-04
7.6	-4.3907E-04	1.2732E-04	-4.6132E-04	1.4632E-04
7.7	-3.9324E-04	1.3231E-04	-4.1243E-04	1.5017E-04
7.8	-3.5152E-04	1.3509E-04	-3.6803E-04	1.5181E-04
7.9	-3.1360E-04	1.3601E-04	-3.2775E-04	1.5162E-04
8.0	-2.7920E-04	1.3541E-04	-2.9128E-04	1.4993E-04
8.1	-2.4804E-04	1.3354E-04	-2.5832E-04	1.4702E-04
8.2	-2.1987E-04	1.3067E-04	-2.2856E-04	1.4313E-04
8.3	-1.9444E-04	1.2698E-04	-2.0176E-04	1.3849E-04
8.4	-1.7152E-04	1.2267E-04	-1.7764E-04	1.3327E-04
8.5	-1.5090E-04	1.1789E-04	-1.5599E-04	1.2763E-04
8.6	-1.3239E-04	1.1276E-04	-1.3659E-04	1.2169E-04
8.7	-1.1580E-04	1.0741E-04	-1.1922E-04	1.1558E-04
8.8	-1.0096E-04	1.0192E-04	-1.0372E-04	1.0938E-04
8.9	-8.7703E-05	9.6374E-05	-8.9898E-05	1.0318E-04
9.0	-7.5893E-05	9.0837E-05	-7.7605E-05	9.7027E-05
9.1	-6.5392E-05	8.5362E-05	-6.6693E-05	9.0986E-05
9.2	-5.6074E-05	7.9995E-05	-5.7028E-05	8.5094E-05
9.3	-4.7826E-05	7.4769E-05	-4.8488E-05	7.9385E-05
9.4	-4.0542E-05	6.9712E-05	-4.0961E-05	7.3884E-05
9.5	-3.4126E-05	6.4844E-05	-3.4343E-05	6.8609E-05
9.6	-2.8490E-05	6.0182E-05	-2.8541E-05	6.3574E-05
9.7	-2.3553E-05	5.5736E-05	-2.3470E-05	5.8786E-05
9.8	-1.9243E-05	5.1512E-05	-1.9053E-05	5.4251E-05
9.9	-1.5493E-05	4.7513E-05	-1.5217E-05	4.9968E-05
10.0	-1.2242E-05	4.3741E-05	-1.1901E-05	4.5937E-05

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-1.2242E-05	4.3741E-05	-1.1901E-05	4.5937E-05
10.1	-9.4357E-06	4.0192E-05	-9.0447E-06	4.2154E-05
10.2	-7.0240E-06	3.6863E-05	-6.5974E-06	3.8613E-05
10.3	-4.9619E-06	3.3748E-05	-4.5115E-06	3.5306E-05
10.4	-3.2092E-06	3.0842E-05	-2.7445E-06	3.2227E-05
10.5	-1.7290E-06	2.8136E-05	-1.2581E-06	2.9364E-05
10.6	-4.8875E-07	2.5623E-05	-1.8101E-08	2.6710E-05
10.7	5.4117E-07	2.3293E-05	1.0063E-06	2.4254E-05
10.8	1.3872E-06	2.1139E-05	1.8425E-06	2.1985E-05
10.9	2.0729E-06	1.9149E-05	2.5151E-06	1.9894E-05
11.0	2.6195E-06	1.7317E-05	3.0460E-06	1.7971E-05
11.1	3.0456E-06	1.5632E-05	3.4547E-06	1.6204E-05
11.2	3.3681E-06	1.4085E-05	3.7584E-06	1.4585E-05
11.3	3.6018E-06	1.2667E-05	3.9724E-06	1.3103E-05
11.4	3.7597E-06	1.1371E-05	4.1101E-06	1.1749E-05
11.5	3.8535E-06	1.0188E-05	4.1836E-06	1.0515E-05
11.6	3.8933E-06	9.1089E-06	4.2032E-06	9.3911E-06
11.7	3.8882E-06	8.1276E-06	4.1782E-06	8.3700E-06
11.8	3.8459E-06	7.2363E-06	4.1165E-06	7.4437E-06
11.9	3.7733E-06	6.4282E-06	4.0251E-06	6.6047E-06
12.0	3.6764E-06	5.6968E-06	3.9101E-06	5.8463E-06
12.1	3.5603E-06	5.0360E-06	3.7767E-06	5.1619E-06
12.2	3.4295E-06	4.4401E-06	3.6294E-06	4.5453E-06
12.3	3.2878E-06	3.9036E-06	3.4720E-06	3.9908E-06
12.4	3.1385E-06	3.4216E-06	3.3079E-06	3.4932E-06
12.5	2.9843E-06	2.9893E-06	3.1399E-06	3.0474E-06
12.6	2.8276E-06	2.6024E-06	2.9701E-06	2.6489E-06
12.7	2.6704E-06	2.2568E-06	2.8007E-06	2.2933E-06
12.8	2.5143E-06	1.9488E-06	2.6332E-06	1.9767E-06
12.9	2.3606E-06	1.6748E-06	2.4689E-06	1.6955E-06
13.0	2.2104E-06	1.4318E-06	2.3089E-06	1.4462E-06
13.1	2.0645E-06	1.2166E-06	2.1540E-06	1.2259E-06
13.2	1.9237E-06	1.0266E-06	2.0048E-06	1.0316E-06
13.3	1.7885E-06	8.5935E-07	1.8619E-06	8.6073E-07
13.4	1.6591E-06	7.1250E-07	1.7254E-06	7.1094E-07
13.5	1.5359E-06	5.8399E-07	1.5956E-06	5.8004E-07
13.6	1.4189E-06	4.7189E-07	1.4727E-06	4.6604E-07
13.7	1.3083E-06	3.7448E-07	1.3567E-06	3.6714E-07
13.8	1.2040E-06	2.9017E-07	1.2474E-06	2.8170E-07
13.9	1.1060E-06	2.1753E-07	1.1448E-06	2.0822E-07
14.0	1.0141E-06	1.5525E-07	1.0488E-06	1.4536E-07
14.1	9.2813E-07	1.0216E-07	9.5908E-07	9.1903E-08
14.2	8.4794E-07	5.7189E-08	8.7550E-07	4.6744E-08
14.3	7.7331E-07	1.9381E-08	7.9780E-07	8.8942E-09
14.4	7.0400E-07	-1.2129E-08	7.2572E-07	-2.2538E-08
14.5	6.3978E-07	-3.8119E-08	6.5899E-07	-4.8351E-08
14.6	5.8038E-07	-5.9285E-08	5.9735E-07	-6.9263E-08
14.7	5.2556E-07	-7.6251E-08	5.4051E-07	-8.5914E-08
14.8	4.7506E-07	-8.9573E-08	4.8820E-07	-9.8875E-08
14.9	4.2863E-07	-9.9749E-08	4.4014E-07	-1.0866E-07
15.0	3.8602E-07	-1.0722E-07	3.9607E-07	-1.1571E-07

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	3.8602E-07	-1.0722E-07	3.9607E-07	-1.1571E-07
15.1	3.4698E-07	-1.1238E-07	3.5574E-07	-1.2043E-07
15.2	3.1128E-07	-1.1557E-07	3.1889E-07	-1.2318E-07
15.3	2.7869E-07	-1.1710E-07	2.8528E-07	-1.2427E-07
15.4	2.4899E-07	-1.1724E-07	2.5467E-07	-1.2397E-07
15.5	2.2198E-07	-1.1623E-07	2.2685E-07	-1.2253E-07
15.6	1.9745E-07	-1.1427E-07	2.0162E-07	-1.2015E-07
15.7	1.7522E-07	-1.1154E-07	1.7876E-07	-1.1702E-07
15.8	1.5510E-07	-1.0821E-07	1.5809E-07	-1.1330E-07
15.9	1.3693E-07	-1.0441E-07	1.3944E-07	-1.0913E-07
16.0	1.2055E-07	-1.0026E-07	1.2264E-07	-1.0461E-07
16.1	1.0581E-07	-9.5845E-08	1.0753E-07	-9.9867E-08
16.2	9.2572E-08	-9.1268E-08	9.3975E-08	-9.4970E-08
16.3	8.0707E-08	-8.6596E-08	8.1834E-08	-8.9998E-08
16.4	7.0094E-08	-8.1891E-08	7.0982E-08	-8.5010E-08
16.5	6.0620E-08	-7.7202E-08	6.1304E-08	-8.0057E-08
16.6	5.2181E-08	-7.2574E-08	5.2691E-08	-7.5182E-08
16.7	4.4683E-08	-6.8039E-08	4.5044E-08	-7.0417E-08
16.8	3.8037E-08	-6.3625E-08	3.8272E-08	-6.5790E-08
16.9	3.2159E-08	-5.9355E-08	3.2289E-08	-6.1322E-08
17.0	2.6977E-08	-5.5244E-08	2.7019E-08	-5.7028E-08
17.1	2.2420E-08	-5.1305E-08	2.2389E-08	-5.2921E-08
17.2	1.8425E-08	-4.7546E-08	1.8336E-08	-4.9007E-08
17.3	1.4935E-08	-4.3973E-08	1.4799E-08	-4.5291E-08
17.4	1.1898E-08	-4.0588E-08	1.1724E-08	-4.1775E-08
17.5	9.2640E-09	-3.7391E-08	9.0610E-09	-3.8459E-08
17.6	6.9907E-09	-3.4382E-08	6.7661E-09	-3.5340E-08
17.7	5.0379E-09	-3.1556E-08	4.7979E-09	-3.2415E-08
17.8	3.3698E-09	-2.8910E-08	3.1197E-09	-2.9678E-08
17.9	1.9537E-09	-2.6438E-08	1.6979E-09	-2.7124E-08
18.0	7.6011E-10	-2.4135E-08	5.0241E-10	-2.4745E-08
18.1	-2.3738E-10	-2.1993E-08	-4.9401E-10	-2.2536E-08
18.2	-1.0627E-09	-2.0006E-08	-1.3158E-09	-2.0487E-08
18.3	-1.7373E-09	-1.8166E-08	-1.9848E-09	-1.8592E-08
18.4	-2.2804E-09	-1.6466E-08	-2.5208E-09	-1.6842E-08
18.5	-2.7093E-09	-1.4898E-08	-2.9413E-09	-1.5229E-08
18.6	-3.0393E-09	-1.3454E-08	-3.2620E-09	-1.3745E-08
18.7	-3.2841E-09	-1.2128E-08	-3.4969E-09	-1.2383E-08
18.8	-3.4559E-09	-1.0912E-08	-3.6583E-09	-1.1134E-08
18.9	-3.5655E-09	-9.7982E-09	-3.7573E-09	-9.9920E-09
19.0	-3.6224E-09	-8.7807E-09	-3.8035E-09	-8.9488E-09
19.1	-3.6351E-09	-7.8525E-09	-3.8055E-09	-7.9977E-09
19.2	-3.6109E-09	-7.0072E-09	-3.7708E-09	-7.1323E-09
19.3	-3.5565E-09	-6.2390E-09	-3.7060E-09	-6.3460E-09
19.4	-3.4773E-09	-5.5418E-09	-3.6169E-09	-5.6331E-09
19.5	-3.3785E-09	-4.9104E-09	-3.5084E-09	-4.9877E-09
19.6	-3.2643E-09	-4.3395E-09	-3.3849E-09	-4.4046E-09
19.7	-3.1384E-09	-3.8244E-09	-3.2501E-09	-3.8786E-09
19.8	-3.0040E-09	-3.3603E-09	-3.1073E-09	-3.4052E-09
19.9	-2.8638E-09	-2.9431E-09	-2.9591E-09	-2.9798E-09
	-2.7202E-09	-2.5688E-09	-2.8079E-09	-2.5984E-09

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-5.2360E-01	INFINITY	- INFINITY
0.1	2.4239E+00	-5.1685E-01	8.5208E+00	-5.0505E+00
0.2	1.7435E+00	-5.0254E-01	4.1110E+00	-2.5674E+00
0.3	1.3561E+00	-4.8394E-01	2.6102E+00	-1.7395E+00
0.4	1.0907E+00	-4.6269E-01	1.8453E+00	-1.3217E+00
0.5	8.9325E-01	-4.3983E-01	1.3792E+00	-1.0665E+00
0.6	7.3949E-01	-4.1610E-01	1.0654E+00	-8.9197E-01
0.7	6.1623E-01	-3.9203E-01	8.4023E-01	-7.6338E-01
0.8	5.1552E-01	-3.6801E-01	6.7168E-01	-6.6352E-01
0.9	4.3212E-01	-3.4435E-01	5.4166E-01	-5.8296E-01
1.0	3.6239E-01	-3.2127E-01	4.3915E-01	-5.1610E-01
1.1	3.0369E-01	-2.9892E-01	3.5701E-01	-4.5940E-01
1.2	2.5404E-01	-2.7743E-01	2.9040E-01	-4.1053E-01
1.3	2.1189E-01	-2.5688E-01	2.3590E-01	-3.6788E-01
1.4	1.7603E-01	-2.3732E-01	1.9101E-01	-3.3030E-01
1.5	1.4548E-01	-2.1878E-01	1.5385E-01	-2.9695E-01
1.6	1.1944E-01	-2.0127E-01	1.2300E-01	-2.6718E-01
1.7	9.7256E-02	-1.8480E-01	9.7334E-02	-2.4049E-01
1.8	7.8367E-02	-1.6935E-01	7.5962E-02	-2.1648E-01
1.9	6.2308E-02	-1.5489E-01	5.8172E-02	-1.9484E-01
2.0	4.8685E-02	-1.4140E-01	4.3383E-02	-1.7530E-01
2.1	3.7161E-02	-1.2885E-01	3.1117E-02	-1.5762E-01
2.2	2.7444E-02	-1.1720E-01	2.0977E-02	-1.4162E-01
2.3	1.9288E-02	-1.0641E-01	1.2635E-02	-1.2714E-01
2.4	1.2476E-02	-9.6431E-02	5.8124E-03	-1.1402E-01
2.5	6.8214E-03	-8.7227E-02	2.7526E-04	-1.0214E-01
2.6	2.1637E-03	-7.8753E-02	-4.1745E-03	-9.1387E-02
2.7	-1.6378E-03	-7.0967E-02	-7.7054E-03	-8.1655E-02
2.8	-4.7051E-03	-6.3826E-02	-1.0461E-02	-7.2854E-02
2.9	-7.1443E-03	-5.7288E-02	-1.2564E-02	-6.4900E-02
3.0	-9.0476E-03	-5.1315E-02	-1.4118E-02	-5.7717E-02
3.1	-1.0496E-02	-4.5867E-02	-1.5214E-02	-5.1237E-02
3.2	-1.1558E-02	-4.0907E-02	-1.5929E-02	-4.5397E-02
3.3	-1.2295E-02	-3.6400E-02	-1.6328E-02	-4.0140E-02
3.4	-1.2760E-02	-3.2311E-02	-1.6467E-02	-3.5414E-02
3.5	-1.2998E-02	-2.8609E-02	-1.6395E-02	-3.1170E-02
3.6	-1.3050E-02	-2.5263E-02	-1.6152E-02	-2.7364E-02
3.7	-1.2948E-02	-2.2245E-02	-1.5774E-02	-2.3956E-02
3.8	-1.2722E-02	-1.9527E-02	-1.5291E-02	-2.0909E-02
3.9	-1.2398E-02	-1.7086E-02	-1.4726E-02	-1.8190E-02
4.0	-1.1997E-02	-1.4896E-02	-1.4103E-02	-1.5768E-02
4.1	-1.1538E-02	-1.2937E-02	-1.3438E-02	-1.3613E-02
4.2	-1.1036E-02	-1.1188E-02	-1.2747E-02	-1.1701E-02
4.3	-1.0504E-02	-9.6300E-03	-1.2043E-02	-1.0007E-02
4.4	-9.9537E-03	-8.2451E-03	-1.1334E-02	-8.5100E-03
4.5	-9.3945E-03	-7.0174E-03	-1.0630E-02	-7.1903E-03
4.6	-8.8338E-03	-5.9319E-03	-9.9383E-03	-6.0298E-03
4.7	-8.2780E-03	-4.9748E-03	-9.2630E-03	-5.0121E-03
4.8	-7.7322E-03	-4.1334E-03	-8.6090E-03	-4.1223E-03
4.9	-7.2003E-03	-3.3962E-03	-7.9793E-03	-3.3469E-03
5.0	-6.6857E-03	-2.7524E-03	-7.3765E-03	-2.6735E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	-6.6857E-03	-2.7524E-03	-7.3765E-03	-2.6735E-03
5.1	-6.1907E-03	-2.1924E-03	-6.8020E-03	-2.0911E-03
5.2	-5.7172E-03	-1.7072E-03	-6.2569E-03	-1.5895E-03
5.3	-5.2663E-03	-1.2888E-03	-5.7419E-03	-1.1597E-03
5.4	-4.8388E-03	-9.2981E-04	-5.2570E-03	-7.9331E-04
5.5	-4.4352E-03	-6.2357E-04	-4.8019E-03	-4.8302E-04
5.6	-4.0554E-03	-3.6404E-04	-4.3763E-03	-2.2211E-04
5.7	-3.6993E-03	-1.4574E-04	-3.9794E-03	-4.5981E-06
5.8	-3.3664E-03	3.6257E-05	-3.6102E-03	1.7492E-04
5.9	-3.0563E-03	1.8639E-04	-3.2678E-03	3.2125E-04
6.0	-2.7680E-03	3.0865E-04	-2.9510E-03	4.3872E-04
6.1	-2.5010E-03	4.0663E-04	-2.6587E-03	5.3118E-04
6.2	-2.2541E-03	4.8353E-04	-2.3896E-03	6.0205E-04
6.3	-2.0265E-03	5.4222E-04	-2.1424E-03	6.5438E-04
6.4	-1.8172E-03	5.8524E-04	-1.9160E-03	6.9086E-04
6.5	-1.6253E-03	6.1486E-04	-1.7089E-03	7.1389E-04
6.6	-1.4495E-03	6.3311E-04	-1.5200E-03	7.2558E-04
6.7	-1.2891E-03	6.4174E-04	-1.3480E-03	7.2778E-04
6.8	-1.1429E-03	6.4234E-04	-1.1919E-03	7.2212E-04
6.9	-1.0101E-03	6.3629E-04	-1.0504E-03	7.1002E-04
7.0	-8.8971E-04	6.2478E-04	-9.2251E-04	6.9273E-04
7.1	-7.8078E-04	6.0888E-04	-8.0714E-04	6.7132E-04
7.2	-6.8249E-04	5.8950E-04	-7.0333E-04	6.4672E-04
7.3	-5.9402E-04	5.6744E-04	-6.1014E-04	6.1975E-04
7.4	-5.1459E-04	5.4339E-04	-5.2669E-04	5.9107E-04
7.5	-4.4345E-04	5.1792E-04	-4.5217E-04	5.6129E-04
7.6	-3.7991E-04	4.9154E-04	-3.8579E-04	5.3090E-04
7.7	-3.2333E-04	4.6467E-04	-3.2683E-04	5.0030E-04
7.8	-2.7308E-04	4.3767E-04	-2.7461E-04	4.6986E-04
7.9	-2.2859E-04	4.1084E-04	-2.2852E-04	4.3984E-04
8.0	-1.8934E-04	3.8442E-04	-1.8797E-04	4.1049E-04
8.1	-1.5483E-04	3.5860E-04	-1.5241E-04	3.8198E-04
8.2	-1.2460E-04	3.3354E-04	-1.2137E-04	3.5447E-04
8.3	-9.8225E-05	3.0937E-04	-9.4371E-05	3.2806E-04
8.4	-7.5322E-05	2.8618E-04	-7.1008E-05	3.0283E-04
8.5	-5.5529E-05	2.6404E-04	-5.0894E-05	2.7883E-04
8.6	-3.8519E-05	2.4299E-04	-3.3677E-05	2.5609E-04
8.7	-2.3991E-05	2.2306E-04	-1.9038E-05	2.3464E-04
8.8	-1.1671E-05	2.0425E-04	-6.6860E-06	2.1446E-04
8.9	-1.3077E-06	1.8658E-04	3.6444E-06	1.9555E-04
9.0	7.3248E-06	1.7001E-04	1.2192E-05	1.7787E-04
9.1	1.4433E-05	1.5454E-04	1.9175E-05	1.6140E-04
9.2	2.0203E-05	1.4013E-04	2.4787E-05	1.4610E-04
9.3	2.4803E-05	1.2675E-04	2.9205E-05	1.3192E-04
9.4	2.8384E-05	1.1435E-04	3.2588E-05	1.1881E-04
9.5	3.1082E-05	1.0289E-04	3.5075E-05	1.0673E-04
9.6	3.3020E-05	9.2339E-05	3.6795E-05	9.5617E-05
9.7	3.4305E-05	8.2637E-05	3.7859E-05	8.5423E-05
9.8	3.5035E-05	7.3742E-05	3.8367E-05	7.6094E-05
9.9	3.5296E-05	6.5605E-05	3.8409E-05	6.7577E-05
10.0	3.5164E-05	5.8181E-05	3.8063E-05	5.9819E-05

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	3.5164E-05	5.8181E-05	3.8063E-05	5.9819E-05
10.1	3.4706E-05	5.1423E-05	3.7397E-05	5.2770E-05
10.2	3.3982E-05	4.5286E-05	3.6472E-05	4.6381E-05
10.3	3.3043E-05	3.9728E-05	3.5341E-05	4.0603E-05
10.4	3.1935E-05	3.4706E-05	3.4050E-05	3.5392E-05
10.5	3.0697E-05	3.0180E-05	3.2638E-05	3.0704E-05
10.6	2.9363E-05	2.6111E-05	3.1140E-05	2.6497E-05
10.7	2.7962E-05	2.2465E-05	2.9585E-05	2.2732E-05
10.8	2.6520E-05	1.9205E-05	2.7998E-05	1.9373E-05
10.9	2.5057E-05	1.6299E-05	2.6400E-05	1.6384E-05
11.0	2.3591E-05	1.3717E-05	2.4808E-05	1.3733E-05
11.1	2.2138E-05	1.1430E-05	2.3239E-05	1.1389E-05
11.2	2.0709E-05	9.4118E-06	2.1702E-05	9.3250E-06
11.3	1.9314E-05	7.6368E-06	2.0208E-05	7.5134E-06
11.4	1.7962E-05	6.0822E-06	1.8765E-05	5.9300E-06
11.5	1.6659E-05	4.7264E-06	1.7378E-05	4.5524E-06
11.6	1.5409E-05	3.5496E-06	1.6051E-05	3.3597E-06
11.7	1.4216E-05	2.5335E-06	1.4788E-05	2.3326E-06
11.8	1.3082E-05	1.6614E-06	1.3590E-05	1.4538E-06
11.9	1.2008E-05	9.1785E-07	1.2458E-05	7.0696E-07
12.0	1.0994E-05	2.8870E-07	1.1392E-05	7.7488E-08
12.1	1.0042E-05	-2.3890E-07	1.0392E-05	-4.4804E-07
12.2	9.1493E-06	-6.7666E-07	9.4569E-06	-8.8179E-07
12.3	8.3154E-06	-1.0352E-06	8.5843E-06	-1.2348E-06
12.4	7.5384E-06	-1.3243E-06	7.7728E-06	-1.5171E-06
12.5	6.8167E-06	-1.5525E-06	7.0201E-06	-1.7377E-06
12.6	6.1480E-06	-1.7278E-06	6.3237E-06	-1.9046E-06
12.7	5.5301E-06	-1.8572E-06	5.6812E-06	-2.0253E-06
12.8	4.9607E-06	-1.9471E-06	5.0898E-06	-2.1061E-06
12.9	4.4371E-06	-2.0032E-06	4.5468E-06	-2.1530E-06
13.0	3.9570E-06	-2.0305E-06	4.0495E-06	-2.1711E-06
13.1	3.5178E-06	-2.0335E-06	3.5952E-06	-2.1651E-06
13.2	3.1170E-06	-2.0162E-06	3.1811E-06	-2.1389E-06
13.3	2.7521E-06	-1.9822E-06	2.8046E-06	-2.0963E-06
13.4	2.4208E-06	-1.9346E-06	2.4632E-06	-2.0403E-06
13.5	2.1207E-06	-1.8760E-06	2.1543E-06	-1.9737E-06
13.6	1.8496E-06	-1.8089E-06	1.8755E-06	-1.8989E-06
13.7	1.6052E-06	-1.7353E-06	1.6247E-06	-1.8180E-06
13.8	1.3857E-06	-1.6570E-06	1.3996E-06	-1.7329E-06
13.9	1.1889E-06	-1.5756E-06	1.1980E-06	-1.6449E-06
14.0	1.0131E-06	-1.4923E-06	1.0182E-06	-1.5556E-06
14.1	8.5642E-07	-1.4083E-06	8.5819E-07	-1.4659E-06
14.2	7.1731E-07	-1.3245E-06	7.1630E-07	-1.3768E-06
14.3	5.9418E-07	-1.2417E-06	5.9089E-07	-1.2890E-06
14.4	4.8559E-07	-1.1605E-06	4.8046E-07	-1.2033E-06
14.5	3.9020E-07	-1.0815E-06	3.8360E-07	-1.1200E-06
14.6	3.0674E-07	-1.0050E-06	2.9902E-07	-1.0397E-06
14.7	2.3407E-07	-9.3143E-07	2.2549E-07	-9.6247E-07
14.8	1.7110E-07	-8.6094E-07	1.6191E-07	-8.8870E-07
14.9	1.1684E-07	-7.9374E-07	1.0724E-07	-8.1849E-07
15.0	7.0382E-08	-7.2993E-07	6.0555E-08	-7.5194E-07

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	7.0382E-08	-7.2993E-07	6.0555E-08	-7.5194E-07
15.1	3.0890E-08	-6.6957E-07	2.0977E-08	-6.8908E-07
15.2	-2.4036E-09	-6.1267E-07	-1.2281E-08	-6.2992E-07
15.3	-3.0198E-08	-5.5922E-07	-3.9941E-08	-5.7442E-07
15.4	-5.3130E-08	-5.0916E-07	-6.2659E-08	-5.2251E-07
15.5	-7.1779E-08	-4.6243E-07	-8.1030E-08	-4.7410E-07
15.6	-8.6671E-08	-4.1891E-07	-9.5594E-08	-4.2908E-07
15.7	-9.8280E-08	-3.7851E-07	-1.0684E-07	-3.8733E-07
15.8	-1.0703E-07	-3.4110E-07	-1.1520E-07	-3.4871E-07
15.9	-1.1332E-07	-3.0655E-07	-1.2107E-07	-3.1308E-07
16.0	-1.1748E-07	-2.7472E-07	-1.2482E-07	-2.8029E-07
16.1	-1.1983E-07	-2.4547E-07	-1.2674E-07	-2.5020E-07
16.2	-1.2064E-07	-2.1866E-07	-1.2712E-07	-2.2264E-07
16.3	-1.2015E-07	-1.9415E-07	-1.2622E-07	-1.9746E-07
16.4	-1.1859E-07	-1.7179E-07	-1.2425E-07	-1.7452E-07
16.5	-1.1614E-07	-1.5145E-07	-1.2140E-07	-1.5367E-07
16.6	-1.1298E-07	-1.3299E-07	-1.1786E-07	-1.3477E-07
16.7	-1.0925E-07	-1.1628E-07	-1.1376E-07	-1.1767E-07
16.8	-1.0508E-07	-1.0119E-07	-1.0924E-07	-1.0225E-07
16.9	-1.0059E-07	-8.7604E-08	-1.0441E-07	-8.8377E-08
17.0	-9.5867E-08	-7.5403E-08	-9.9371E-08	-7.5932E-08
17.1	-9.0998E-08	-6.4479E-08	-9.4203E-08	-6.4799E-08
17.2	-8.6052E-08	-5.4726E-08	-8.8977E-08	-5.4871E-08
17.3	-8.1092E-08	-4.6046E-08	-8.3754E-08	-4.6044E-08
17.4	-7.6165E-08	-3.8345E-08	-7.8583E-08	-3.8223E-08
17.5	-7.1315E-08	-3.1539E-08	-7.3506E-08	-3.1318E-08
17.6	-6.6576E-08	-2.5544E-08	-6.8555E-08	-2.5244E-08
17.7	-6.1974E-08	-2.0287E-08	-6.3758E-08	-1.9924E-08
17.8	-5.7531E-08	-1.5695E-08	-5.9135E-08	-1.5284E-08
17.9	-5.3265E-08	-1.1705E-08	-5.4703E-08	-1.1259E-08
18.0	-4.9186E-08	-8.2555E-09	-5.0472E-08	-7.7849E-09
18.1	-4.5303E-08	-5.2916E-09	-4.6450E-08	-4.8055E-09
18.2	-4.1622E-08	-2.7619E-09	-4.2642E-08	-2.2681E-09
18.3	-3.8145E-08	-6.1962E-10	-3.9049E-08	-1.2467E-10
18.4	-3.4871E-08	1.1782E-09	-3.5669E-08	1.6690E-09
18.5	-3.1799E-08	2.6707E-09	-3.2502E-08	3.1530E-09
18.6	-2.8925E-08	3.8936E-09	-2.9542E-08	4.3638E-09
18.7	-2.6244E-08	4.8793E-09	-2.6783E-08	5.3347E-09
18.8	-2.3750E-08	5.6572E-09	-2.4219E-08	6.0955E-09
18.9	-2.1437E-08	6.2539E-09	-2.1843E-08	6.6735E-09
19.0	-1.9297E-08	6.6933E-09	-1.9647E-08	7.0931E-09
19.1	-1.7322E-08	6.9968E-09	-1.7622E-08	7.3762E-09
19.2	-1.5504E-08	7.1840E-09	-1.5760E-08	7.5424E-09
19.3	-1.3835E-08	7.2719E-09	-1.4051E-08	7.6092E-09
19.4	-1.2307E-08	7.2760E-09	-1.2488E-08	7.5924E-09
19.5	-1.0910E-08	7.2099E-09	-1.1060E-08	7.5057E-09
19.6	-9.6378E-09	7.0857E-09	-9.7606E-09	7.3615E-09
19.7	-8.4809E-09	6.9142E-09	-8.5801E-09	7.1705E-09
19.8	-7.4320E-09	6.7047E-09	-7.5105E-09	6.9422E-09
19.9	-6.4834E-09	6.4654E-09	-6.5439E-09	6.6849E-09
20.0	-5.6277E-09	6.2035E-09	-5.6727E-09	6.4057E-09

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-6.1087E-01	INFINITY	- INFINITY
0.1	2.4229E+00	-6.0335E-01	8.0545E+00	-5.7947E+00
0.2	1.7404E+00	-5.8728E-01	3.8785E+00	-2.9470E+00
0.3	1.3504E+00	-5.6623E-01	2.4545E+00	-1.9979E+00
0.4	1.0824E+00	-5.4200E-01	1.7269E+00	-1.5191E+00
0.5	8.8227E-01	-5.1577E-01	1.2824E+00	-1.2266E+00
0.6	7.2594E-01	-4.8839E-01	9.8229E-01	-1.0265E+00
0.7	6.0031E-01	-4.6046E-01	7.6656E-01	-8.7891E-01
0.8	4.9745E-01	-4.3247E-01	6.0481E-01	-7.6415E-01
0.9	4.1214E-01	-4.0476E-01	4.7993E-01	-6.7140E-01
1.0	3.4078E-01	-3.7761E-01	3.8147E-01	-5.9427E-01
1.1	2.8072E-01	-3.5122E-01	3.0266E-01	-5.2871E-01
1.2	2.2997E-01	-3.2575E-01	2.3889E-01	-4.7208E-01
1.3	1.8697E-01	-3.0131E-01	1.8688E-01	-4.2254E-01
1.4	1.5051E-01	-2.7799E-01	1.4426E-01	-3.7879E-01
1.5	1.1959E-01	-2.5582E-01	1.0921E-01	-3.3987E-01
1.6	9.3385E-02	-2.3484E-01	8.0351E-02	-3.0507E-01
1.7	7.1221E-02	-2.1506E-01	5.6603E-02	-2.7381E-01
1.8	5.2526E-02	-1.9647E-01	3.7095E-02	-2.4566E-01
1.9	3.6814E-02	-1.7906E-01	2.1127E-02	-2.2025E-01
2.0	2.3671E-02	-1.6280E-01	8.1261E-03	-1.9727E-01
2.1	1.2743E-02	-1.4766E-01	-2.3825E-03	-1.7649E-01
2.2	3.7213E-03	-1.3360E-01	-1.0794E-02	-1.5767E-01
2.3	-3.6582E-03	-1.2058E-01	-1.7438E-02	-1.4063E-01
2.4	-9.6261E-03	-1.0854E-01	-2.2595E-02	-1.2521E-01
2.5	-1.4383E-02	-9.7454E-02	-2.6502E-02	-1.1127E-01
2.6	-1.8102E-02	-8.7258E-02	-2.9360E-02	-9.8655E-02
2.7	-2.0937E-02	-7.7906E-02	-3.1341E-02	-8.7267E-02
2.8	-2.3020E-02	-6.9349E-02	-3.2591E-02	-7.6992E-02
2.9	-2.4466E-02	-6.1538E-02	-3.3235E-02	-6.7734E-02
3.0	-2.5376E-02	-5.4424E-02	-3.3383E-02	-5.9404E-02
3.1	-2.5839E-02	-4.7961E-02	-3.3124E-02	-5.1921E-02
3.2	-2.5929E-02	-4.2103E-02	-3.2538E-02	-4.5209E-02
3.3	-2.5714E-02	-3.6807E-02	-3.1693E-02	-3.9201E-02
3.4	-2.5252E-02	-3.2032E-02	-3.0645E-02	-3.3833E-02
3.5	-2.4590E-02	-2.7736E-02	-2.9443E-02	-2.9048E-02
3.6	-2.3773E-02	-2.3883E-02	-2.8128E-02	-2.4791E-02
3.7	-2.2837E-02	-2.0436E-02	-2.6736E-02	-2.1015E-02
3.8	-2.1814E-02	-1.7362E-02	-2.5295E-02	-1.7673E-02
3.9	-2.0729E-02	-1.4629E-02	-2.3830E-02	-1.4724E-02
4.0	-1.9606E-02	-1.2207E-02	-2.2361E-02	-1.2131E-02
4.1	-1.8463E-02	-1.0067E-02	-2.0905E-02	-9.8579E-03
4.2	-1.7316E-02	-8.1850E-03	-1.9475E-02	-7.8727E-03
4.3	-1.6179E-02	-6.5356E-03	-1.8083E-02	-6.1463E-03
4.4	-1.5062E-02	-5.0965E-03	-1.6736E-02	-4.6516E-03
4.5	-1.3974E-02	-3.8470E-03	-1.5441E-02	-3.3642E-03
4.6	-1.2920E-02	-2.7679E-03	-1.4203E-02	-2.2617E-03
4.7	-1.1908E-02	-1.8415E-03	-1.3025E-02	-1.3238E-03
4.8	-1.0939E-02	-1.0517E-03	-1.1910E-02	-5.3182E-04
4.9	-1.0018E-02	-3.8345E-04	-1.0858E-02	1.3093E-04
5.0	-9.1460E-03	1.7673E-04	-9.8691E-03	6.7973E-04

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	-9.1460E-03	1.7673E-04	-9.8691E-03	6.7973E-04
5.1	-8.3236E-03	6.4127E-04	-8.9438E-03	1.1283E-03
5.2	-7.5512E-03	1.0214E-03	-8.0807E-03	1.4892E-03
5.3	-6.8287E-03	1.3275E-03	-7.2782E-03	1.7735E-03
5.4	-6.1551E-03	1.5688E-03	-6.5343E-03	1.9913E-03
5.5	-5.5293E-03	1.7535E-03	-5.8470E-03	2.1517E-03
5.6	-4.9498E-03	1.8894E-03	-5.2139E-03	2.2626E-03
5.7	-4.4149E-03	1.9831E-03	-4.6323E-03	2.3314E-03
5.8	-3.9228E-03	2.0407E-03	-4.0997E-03	2.3644E-03
5.9	-3.4713E-03	2.0677E-03	-3.6133E-03	2.3673E-03
6.0	-3.0585E-03	2.0689E-03	-3.1704E-03	2.3452E-03
6.1	-2.6822E-03	2.0485E-03	-2.7683E-03	2.3024E-03
6.2	-2.3402E-03	2.0104E-03	-2.4043E-03	2.2430E-03
6.3	-2.0303E-03	1.9579E-03	-2.0758E-03	2.1702E-03
6.4	-1.7504E-03	1.8939E-03	-1.7803E-03	2.0871E-03
6.5	-1.4985E-03	1.8210E-03	-1.5153E-03	1.9963E-03
6.6	-1.2725E-03	1.7414E-03	-1.2785E-03	1.9000E-03
6.7	-1.0704E-03	1.6570E-03	-1.0676E-03	1.8000E-03
6.8	-8.9048E-04	1.5695E-03	-8.8052E-04	1.6981E-03
6.9	-7.3081E-04	1.4802E-03	-7.1515E-04	1.5955E-03
7.0	-5.8973E-04	1.3905E-03	-5.6964E-04	1.4935E-03
7.1	-4.6564E-04	1.3012E-03	-4.4217E-04	1.3930E-03
7.2	-3.5700E-04	1.2133E-03	-3.3109E-04	1.2947E-03
7.3	-2.6241E-04	1.1273E-03	-2.3481E-04	1.1944E-03
7.4	-1.8052E-04	1.0439E-03	-1.5188E-04	1.1074E-03
7.5	-1.1009E-04	9.6340E-04	-8.0946E-05	1.0192E-03
7.6	-4.9965E-05	8.8625E-04	-2.0765E-05	9.3512E-04
7.7	9.2734E-07	8.1265E-04	2.9821E-05	8.5523E-04
7.8	4.3574E-05	7.4277E-04	7.1871E-05	7.7969E-04
7.9	7.8886E-05	6.7670E-04	1.0636E-04	7.0856E-04
8.0	1.0770E-04	6.1449E-04	1.3416E-04	6.4183E-04
8.1	1.3078E-04	5.5615E-04	1.5611E-04	5.7946E-04
8.2	1.4882E-04	5.0163E-04	1.7292E-04	5.2137E-04
8.3	1.6246E-04	4.5086E-04	1.8526E-04	4.6745E-04
8.4	1.7227E-04	4.0376E-04	1.9375E-04	4.1756E-04
8.5	1.7878E-04	3.6019E-04	1.9892E-04	3.7155E-04
8.6	1.8245E-04	3.2002E-04	2.0125E-04	3.2924E-04
8.7	1.8371E-04	2.8311E-04	2.0119E-04	2.9047E-04
8.8	1.8293E-04	2.4930E-04	1.9913E-04	2.5505E-04
8.9	1.8045E-04	2.1843E-04	1.9540E-04	2.2278E-04
9.0	1.7657E-04	1.9033E-04	1.9033E-04	1.9349E-04
9.1	1.7155E-04	1.6484E-04	1.8416E-04	1.6698E-04
9.2	1.6563E-04	1.4179E-04	1.7716E-04	1.4307E-04
9.3	1.5900E-04	1.2102E-04	1.6951E-04	1.2158E-04
9.4	1.5186E-04	1.0238E-04	1.6140E-04	1.0233E-04
9.5	1.4435E-04	8.5693E-05	1.5299E-04	8.5157E-05
9.6	1.3661E-04	7.0826E-05	1.4440E-04	6.9890E-05
9.7	1.2874E-04	5.7631E-05	1.3576E-04	5.6376E-05
9.8	1.2086E-04	4.5972E-05	1.2715E-04	4.4469E-05
9.9	1.1304E-04	3.5717E-05	1.1866E-04	3.4027E-05
10.0	1.0535E-04	2.6745E-05	1.1035E-04	2.4920E-05

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	1.0535E-04	2.6745E-05	1.1035E-04	2.4920E-05
10.1	9.7835E-05	1.8938E-05	1.0228E-04	1.7022E-05
10.2	9.0555E-05	1.2188E-05	9.4482E-05	1.0219E-05
10.3	8.3539E-05	6.3927E-06	8.6997E-05	4.4023E-06
10.4	7.6815E-05	1.4565E-06	7.9847E-05	-5.2897E-07
10.5	7.0403E-05	-2.7087E-06	7.3049E-05	-4.6678E-06
10.6	6.4315E-05	-6.1848E-06	6.6614E-05	-8.1001E-06
10.7	5.8562E-05	-9.0474E-06	6.0547E-05	-1.0905E-05
10.8	5.3146E-05	-1.1366E-05	5.4849E-05	-1.3155E-05
10.9	4.8066E-05	-1.3205E-05	4.9519E-05	-1.4917E-05
11.0	4.3320E-05	-1.4621E-05	4.4549E-05	-1.6251E-05
11.1	3.8901E-05	-1.5669E-05	3.9931E-05	-1.7213E-05
11.2	3.4800E-05	-1.6397E-05	3.5655E-05	-1.7852E-05
11.3	3.1008E-05	-1.6849E-05	3.1708E-05	-1.8214E-05
11.4	2.7512E-05	-1.7063E-05	2.8076E-05	-1.8340E-05
11.5	2.4300E-05	-1.7076E-05	2.4745E-05	-1.8265E-05
11.6	2.1358E-05	-1.6920E-05	2.1701E-05	-1.8022E-05
11.7	1.8673E-05	-1.6622E-05	1.8926E-05	-1.7641E-05
11.8	1.6229E-05	-1.6208E-05	1.6406E-05	-1.7148E-05
11.9	1.4013E-05	-1.5702E-05	1.4125E-05	-1.6564E-05
12.0	1.2010E-05	-1.5121E-05	1.2066E-05	-1.5911E-05
12.1	1.0206E-05	-1.4485E-05	1.0216E-05	-1.5205E-05
12.2	8.5877E-06	-1.3807E-05	8.5589E-06	-1.4462E-05
12.3	7.1407E-06	-1.3101E-05	7.0803E-06	-1.3695E-05
12.4	5.8524E-06	-1.2379E-05	5.7665E-06	-1.2915E-05
12.5	4.7103E-06	-1.1650E-05	4.6041E-06	-1.2133E-05
12.6	3.7024E-06	-1.0922E-05	3.5806E-06	-1.1356E-05
12.7	2.8174E-06	-1.0202E-05	2.6839E-06	-1.0590E-05
12.8	2.0444E-06	-9.4965E-06	1.9028E-06	-9.8422E-06
12.9	1.3733E-06	-8.8094E-06	1.2264E-06	-9.1164E-06
13.0	7.9458E-07	-8.1447E-06	6.4497E-07	-8.4162E-06
13.1	2.9928E-07	-7.5054E-06	1.4901E-07	-7.7445E-06
13.2	-1.2093E-07	-6.8937E-06	-2.7011E-07	-7.1033E-06
13.3	-4.7381E-07	-6.3111E-06	-6.2047E-07	-6.4940E-06
13.4	-7.6654E-07	-5.7589E-06	-9.0953E-07	-5.9175E-06
13.5	-1.0057E-06	-5.2375E-06	-1.1441E-06	-5.3743E-06
13.6	-1.1976E-06	-4.7471E-06	-1.3306E-06	-4.8644E-06
13.7	-1.3476E-06	-4.2878E-06	-1.4748E-06	-4.3875E-06
13.8	-1.4609E-06	-3.8590E-06	-1.5819E-06	-3.9431E-06
13.9	-1.5422E-06	-3.4601E-06	-1.6567E-06	-3.5303E-06
14.0	-1.5958E-06	-3.0902E-06	-1.7037E-06	-3.1482E-06
14.1	-1.6255E-06	-2.7485E-06	-1.7267E-06	-2.7956E-06
14.2	-1.6347E-06	-2.4338E-06	-1.7293E-06	-2.4713E-06
14.3	-1.6266E-06	-2.1449E-06	-1.7147E-06	-2.1741E-06
14.4	-1.6041E-06	-1.8805E-06	-1.6858E-06	-1.9025E-06
14.5	-1.5695E-06	-1.6393E-06	-1.6450E-06	-1.6551E-06
14.6	-1.5251E-06	-1.4202E-06	-1.5947E-06	-1.4305E-06
14.7	-1.4729E-06	-1.2216E-06	-1.5369E-06	-1.2274E-06
14.8	-1.4147E-06	-1.0423E-06	-1.4732E-06	-1.0443E-06
14.9	-1.3518E-06	-8.8109E-07	-1.4052E-06	-8.7979E-07
15.0	-1.2858E-06	-7.3659E-07	-1.3344E-06	-7.3260E-07

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	-1.2858E-06	-7.3659E-07	-1.3344E-06	-7.3260E-07
15.1	-1.2176E-06	-6.0760E-07	-1.2617E-06	-6.0142E-07
15.2	-1.1484E-06	-4.9294E-07	-1.1882E-06	-4.8500E-07
15.3	-1.0789E-06	-3.9147E-07	-1.1147E-06	-3.8216E-07
15.4	-1.0098E-06	-3.0210E-07	-1.0420E-06	-2.9174E-07
15.5	-9.4181E-07	-2.2381E-07	-9.7056E-07	-2.1268E-07
15.6	-8.7535E-07	-1.5560E-07	-9.0096E-07	-1.4396E-07
15.7	-8.1084E-07	-9.6568E-08	-8.3356E-07	-8.4622E-08
15.8	-7.4859E-07	-4.5837E-08	-7.6867E-07	-3.3760E-08
15.9	-6.8885E-07	-2.5982E-09	-7.0652E-07	9.4594E-09
16.0	-6.3180E-07	3.3905E-08	-6.4727E-07	4.5819E-08
16.1	-5.7758E-07	6.4373E-08	-5.9106E-07	7.6042E-08
16.2	-5.2627E-07	8.9459E-08	-5.3794E-07	1.0080E-07
16.3	-4.7790E-07	1.0976E-07	-4.8794E-07	1.2071E-07
16.4	-4.3248E-07	1.2583E-07	-4.4106E-07	1.3634E-07
16.5	-3.8999E-07	1.3818E-07	-3.9726E-07	1.4821E-07
16.6	-3.5037E-07	1.4727E-07	-3.5648E-07	1.5679E-07
16.7	-3.1357E-07	1.5352E-07	-3.1864E-07	1.6252E-07
16.8	-2.7950E-07	1.5732E-07	-2.8364E-07	1.6579E-07
16.9	-2.4805E-07	1.5901E-07	-2.5139E-07	1.6695E-07
17.0	-2.1912E-07	1.5890E-07	-2.2175E-07	1.6632E-07
17.1	-1.9260E-07	1.5729E-07	-1.9461E-07	1.6419E-07
17.2	-1.6836E-07	1.5441E-07	-1.6983E-07	1.6081E-07
17.3	-1.4629E-07	1.5049E-07	-1.4729E-07	1.5641E-07
17.4	-1.2625E-07	1.4574E-07	-1.2685E-07	1.5119E-07
17.5	-1.0812E-07	1.4033E-07	-1.0839E-07	1.4533E-07
17.6	-9.1780E-08	1.3442E-07	-9.1760E-08	1.3899E-07
17.7	-7.7104E-08	1.2813E-07	-7.6846E-08	1.3230E-07
17.8	-6.3974E-08	1.2159E-07	-6.3521E-08	1.2538E-07
17.9	-5.2276E-08	1.1491E-07	-5.1664E-08	1.1834E-07
18.0	-4.1899E-08	1.0816E-07	-4.1160E-08	1.1126E-07
18.1	-3.2735E-08	1.0142E-07	-3.1899E-08	1.0421E-07
18.2	-2.4685E-08	9.4764E-08	-2.3775E-08	9.7265E-08
18.3	-1.7651E-08	8.8232E-08	-1.6690E-08	9.0466E-08
18.4	-1.1543E-08	8.1871E-08	-1.0549E-08	8.3859E-08
18.5	-6.2752E-09	7.5714E-08	-5.2642E-09	7.7476E-08
18.6	-1.7670E-09	6.9790E-08	-7.5210E-10	7.1344E-08
18.7	2.0565E-09	6.4118E-08	3.0642E-09	6.5483E-08
18.8	5.2654E-09	5.8714E-08	6.2566E-09	5.9907E-08
18.9	7.9246E-09	5.3588E-08	8.8918E-09	5.4625E-08
19.0	1.0094E-08	4.8746E-08	1.1031E-08	4.9642E-08
19.1	1.1830E-08	4.4190E-08	1.2732E-08	4.4958E-08
19.2	1.3182E-08	3.9919E-08	1.4046E-08	4.0573E-08
19.3	1.4198E-08	3.5930E-08	1.5021E-08	3.6482E-08
19.4	1.4920E-08	3.2217E-08	1.5700E-08	3.2678E-08
19.5	1.5387E-08	2.8773E-08	1.6123E-08	2.9152E-08
19.6	1.5634E-08	2.5589E-08	1.6326E-08	2.5896E-08
19.7	1.5693E-08	2.2654E-08	1.6341E-08	2.2899E-08
19.8	1.5593E-08	1.9959E-08	1.6197E-08	2.0148E-08
19.9	1.5359E-08	1.7491E-08	1.5920E-08	1.7632E-08
20.0	1.5014E-08	1.5240E-08	1.5534E-08	1.5339E-08

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-6.9813E-01	INFINITY	- INFINITY
0.1	2.4217E+00	-6.9002E-01	7.5263E+00	-6.4952E+00
0.2	1.7369E+00	-6.7246E-01	3.6153E+00	-3.3050E+00
0.3	1.3441E+00	-6.4925E-01	2.2782E+00	-2.2422E+00
0.4	1.0730E+00	-6.2232E-01	1.5928E+00	-1.7063E+00
0.5	8.6978E-01	-5.9296E-01	1.1727E+00	-1.3789E+00
0.6	7.1046E-01	-5.6209E-01	8.8816E-01	-1.1548E+00
0.7	5.8201E-01	-5.3042E-01	6.8300E-01	-9.8932E-01
0.8	4.7656E-01	-4.9848E-01	5.2884E-01	-8.6046E-01
0.9	3.8895E-01	-4.6670E-01	4.0965E-01	-7.5610E-01
1.0	3.1559E-01	-4.3540E-01	3.1565E-01	-6.6910E-01
1.1	2.5382E-01	-4.0484E-01	2.4048E-01	-5.9496E-01
1.2	2.0168E-01	-3.7522E-01	1.7979E-01	-5.3073E-01
1.3	1.5759E-01	-3.4669E-01	1.3051E-01	-4.7438E-01
1.4	1.2032E-01	-3.1935E-01	9.0352E-02	-4.2448E-01
1.5	8.8871E-02	-2.9329E-01	5.7612E-02	-3.7998E-01
1.6	6.2395E-02	-2.6855E-01	3.0959E-02	-3.4008E-01
1.7	4.0194E-02	-2.4517E-01	9.3465E-03	-3.0417E-01
1.8	2.1678E-02	-2.2316E-01	-8.0690E-03	-2.7176E-01
1.9	6.3383E-03	-2.0250E-01	-2.1973E-02	-2.4245E-01
2.0	-6.2594E-03	-1.8318E-01	-3.2931E-02	-2.1593E-01
2.1	-1.6492E-02	-1.6517E-01	-4.1413E-02	-1.9190E-01
2.2	-2.4687E-02	-1.4844E-01	-4.7814E-02	-1.7015E-01
2.3	-3.1129E-02	-1.3294E-01	-5.2469E-02	-1.5046E-01
2.4	-3.6068E-02	-1.1863E-01	-5.5660E-02	-1.3264E-01
2.5	-3.9721E-02	-1.0544E-01	-5.7629E-02	-1.1654E-01
2.6	-4.2280E-02	-9.3344E-02	-5.8584E-02	-1.0201E-01
2.7	-4.3912E-02	-8.2266E-02	-5.8700E-02	-8.8914E-02
2.8	-4.4763E-02	-7.2156E-02	-5.8131E-02	-7.7135E-02
2.9	-4.4962E-02	-6.2956E-02	-5.7006E-02	-6.6559E-02
3.0	-4.4621E-02	-5.4611E-02	-5.5439E-02	-5.7086E-02
3.1	-4.3838E-02	-4.7065E-02	-5.3524E-02	-4.8620E-02
3.2	-4.2697E-02	-4.0264E-02	-5.1345E-02	-4.1075E-02
3.3	-4.1275E-02	-3.4154E-02	-4.8971E-02	-3.4369E-02
3.4	-3.9633E-02	-2.8686E-02	-4.6462E-02	-2.8429E-02
3.5	-3.7828E-02	-2.3809E-02	-4.3869E-02	-2.3185E-02
3.6	-3.5907E-02	-1.9478E-02	-4.1234E-02	-1.8573E-02
3.7	-3.3911E-02	-1.5648E-02	-3.8592E-02	-1.4534E-02
3.8	-3.1873E-02	-1.2277E-02	-3.5973E-02	-1.1013E-02
3.9	-2.9824E-02	-9.3236E-03	-3.3401E-02	-7.9595E-03
4.0	-2.7787E-02	-6.7512E-03	-3.0895E-02	-5.3272E-03
4.1	-2.5781E-02	-4.5242E-03	-2.8471E-02	-3.0729E-03
4.2	-2.3824E-02	-2.6096E-03	-2.6141E-02	-1.1571E-03
4.3	-2.1929E-02	-9.7633E-04	-2.3914E-02	4.5641E-04
4.4	-2.0105E-02	4.0412E-04	-2.1797E-02	1.8010E-03
4.5	-1.8360E-02	1.5584E-03	-1.9793E-02	2.9069E-03
4.6	-1.6700E-02	2.5111E-03	-1.7904E-02	3.8022E-03
4.7	-1.5129E-02	3.2848E-03	-1.6133E-02	4.5119E-03
4.8	-1.3649E-02	3.9005E-03	-1.4477E-02	5.0592E-03
4.9	-1.2261E-02	4.3770E-03	-1.2936E-02	5.4648E-03
5.0	-1.0964E-02	4.7318E-03	-1.1507E-02	5.7477E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	-1.0964E-02	4.7318E-03	-1.1507E-02	5.7477E-03
5.1	-9.7584E-03	4.9807E-03	-1.0187E-02	5.9249E-03
5.2	-8.6412E-03	5.1381E-03	-8.9709E-03	6.0116E-03
5.3	-7.6102E-03	5.2171E-03	-7.8556E-03	6.0217E-03
5.4	-6.6625E-03	5.2292E-03	-6.8362E-03	5.9673E-03
5.5	-5.7946E-03	5.1850E-03	-5.9078E-03	5.8594E-03
5.6	-5.0028E-03	5.0939E-03	-5.0653E-03	5.7078E-03
5.7	-4.2834E-03	4.9643E-03	-4.3038E-03	5.5210E-03
5.8	-3.6323E-03	4.8036E-03	-3.6182E-03	5.3065E-03
5.9	-3.0455E-03	4.6185E-03	-3.0033E-03	5.0711E-03
6.0	-2.5189E-03	4.4146E-03	-2.4544E-03	4.8204E-03
6.1	-2.0485E-03	4.1971E-03	-1.9665E-03	4.5594E-03
6.2	-1.6302E-03	3.9702E-03	-1.5350E-03	4.2925E-03
6.3	-1.2602E-03	3.7379E-03	-1.1553E-03	4.0234E-03
6.4	-9.3469E-04	3.5033E-03	-8.2329E-04	3.7551E-03
6.5	-6.5010E-04	3.2693E-03	-5.3470E-04	3.4902E-03
6.6	-4.0294E-04	3.0380E-03	-2.8569E-04	3.2310E-03
6.7	-1.8989E-04	2.8116E-03	-7.2558E-05	2.9792E-03
6.8	-7.8084E-06	2.5914E-03	1.0814E-04	2.7362E-03
6.9	1.4626E-04	2.3788E-03	2.5965E-04	2.5030E-03
7.0	2.7509E-04	2.1748E-03	3.8499E-04	2.2806E-03
7.1	3.8130E-04	1.9801E-03	4.8700E-04	2.0694E-03
7.2	4.6730E-04	1.7953E-03	5.6826E-04	1.8700E-03
7.3	5.3536E-04	1.6207E-03	6.3119E-04	1.6824E-03
7.4	5.8755E-04	1.4564E-03	6.7800E-04	1.5068E-03
7.5	6.2580E-04	1.3027E-03	7.1073E-04	1.3430E-03
7.6	6.5187E-04	1.1593E-03	7.3123E-04	1.1908E-03
7.7	6.6737E-04	1.0262E-03	7.4119E-04	1.0501E-03
7.8	6.7378E-04	9.0303E-04	7.4213E-04	9.2043E-04
7.9	6.7242E-04	7.8962E-04	7.3546E-04	8.0139E-04
8.0	6.6451E-04	6.8558E-04	7.2240E-04	6.9256E-04
8.1	6.5112E-04	5.9051E-04	7.0407E-04	5.9345E-04
8.2	6.3324E-04	5.0400E-04	6.8148E-04	5.0356E-04
8.3	6.1172E-04	4.2560E-04	6.5550E-04	4.2237E-04
8.4	5.8735E-04	3.5486E-04	6.2692E-04	3.4936E-04
8.5	5.6080E-04	2.9132E-04	5.9642E-04	2.8400E-04
8.6	5.3267E-04	2.3452E-04	5.6461E-04	2.2578E-04
8.7	5.0348E-04	1.8400E-04	5.3200E-04	1.7417E-04
8.8	4.7369E-04	1.3930E-04	4.9903E-04	1.2869E-04
8.9	4.4369E-04	9.9979E-05	4.6610E-04	8.8852E-05
9.0	4.1381E-04	6.5621E-05	4.3353E-04	5.4187E-05
9.1	3.8432E-04	3.5809E-05	4.0159E-04	2.4252E-05
9.2	3.5547E-04	1.0150E-05	3.7050E-04	-1.3771E-06
9.3	3.2744E-04	-1.1731E-05	3.4043E-04	-2.3101E-05
9.4	3.0039E-04	-3.0191E-05	3.1154E-04	-4.1300E-05
9.5	2.7443E-04	-4.5563E-05	2.8393E-04	-5.6329E-05
9.6	2.4967E-04	-5.8164E-05	2.5768E-04	-6.8521E-05
9.7	2.2616E-04	-6.8287E-05	2.3285E-04	-7.8187E-05
9.8	2.0395E-04	-7.6208E-05	2.0946E-04	-8.5614E-05
9.9	1.8307E-04	-8.2180E-05	1.8753E-04	-9.1069E-05
10.0	1.6352E-04	-8.6439E-05	1.6706E-04	-9.4797E-05

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	1.6352E-04	-8.6439E-05	1.6706E-04	-9.4797E-05
10.1	1.4528E-04	-8.9201E-05	1.4802E-04	-9.7023E-05
10.2	1.2836E-04	-9.0666E-05	1.3039E-04	-9.7952E-05
10.3	1.1270E-04	-9.1014E-05	1.1412E-04	-9.7772E-05
10.4	9.8289E-05	-9.0410E-05	9.9186E-05	-9.6652E-05
10.5	8.5067E-05	-8.9004E-05	8.5517E-05	-9.4746E-05
10.6	7.2990E-05	-8.6931E-05	7.3062E-05	-9.2191E-05
10.7	6.2004E-05	-8.4311E-05	6.1760E-05	-8.9110E-05
10.8	5.2053E-05	-8.1252E-05	5.1548E-05	-8.5614E-05
10.9	4.3080E-05	-7.7851E-05	4.2364E-05	-8.1798E-05
11.0	3.5027E-05	-7.4192E-05	3.4141E-05	-7.7750E-05
11.1	2.7834E-05	-7.0351E-05	2.6817E-05	-7.3544E-05
11.2	2.1444E-05	-6.6393E-05	2.0328E-05	-6.9245E-05
11.3	1.5799E-05	-6.2373E-05	1.4613E-05	-6.4910E-05
11.4	1.0842E-05	-5.8341E-05	9.6110E-06	-6.0586E-05
11.5	6.5199E-06	-5.4339E-05	5.2641E-06	-5.6315E-05
11.6	2.7790E-06	-5.0401E-05	1.5166E-06	-5.2130E-05
11.7	-4.3057E-07	-4.6556E-05	-1.6846E-06	-4.8060E-05
11.8	-3.1569E-06	-4.2828E-05	-4.3901E-06	-4.4127E-05
11.9	-5.4456E-06	-3.9237E-05	-6.6478E-06	-4.0350E-05
12.0	-7.3396E-06	-3.5796E-05	-8.5028E-06	-3.6741E-05
12.1	-8.8793E-06	-3.2518E-05	-9.9971E-06	-3.3312E-05
12.2	-1.0103E-05	-2.9409E-05	-1.1170E-05	-3.0069E-05
12.3	-1.1045E-05	-2.6476E-05	-1.2059E-05	-2.7016E-05
12.4	-1.1739E-05	-2.3720E-05	-1.2696E-05	-2.4154E-05
12.5	-1.2214E-05	-2.1143E-05	-1.3115E-05	-2.1482E-05
12.6	-1.2500E-05	-1.8742E-05	-1.3343E-05	-1.8999E-05
12.7	-1.2621E-05	-1.6516E-05	-1.3406E-05	-1.6701E-05
12.8	-1.2601E-05	-1.4459E-05	-1.3329E-05	-1.4582E-05
12.9	-1.2460E-05	-1.2566E-05	-1.3133E-05	-1.2636E-05
13.0	-1.2219E-05	-1.0832E-05	-1.2838E-05	-1.0856E-05
13.1	-1.1894E-05	-9.2503E-06	-1.2461E-05	-9.2356E-06
13.2	-1.1502E-05	-7.8130E-06	-1.2019E-05	-7.7661E-06
13.3	-1.1056E-05	-6.5128E-06	-1.1526E-05	-6.4394E-06
13.4	-1.0568E-05	-5.3420E-06	-1.0993E-05	-5.2473E-06
13.5	-1.0050E-05	-4.2930E-06	-1.0433E-05	-4.1813E-06
13.6	-9.5101E-06	-3.3576E-06	-9.8539E-06	-3.2329E-06
13.7	-8.9581E-06	-2.5283E-06	-9.2650E-06	-2.3940E-06
13.8	-8.4006E-06	-1.7972E-06	-8.6734E-06	-1.6563E-06
13.9	-7.8440E-06	-1.1570E-06	-8.0852E-06	-1.0121E-06
14.0	-7.2936E-06	-6.0038E-07	-7.5056E-06	-4.5359E-07
14.1	-6.7538E-06	-1.2033E-07	-6.9391E-06	2.6430E-08
14.2	-6.2282E-06	2.8982E-07	-6.3890E-06	4.3499E-07
14.3	-5.7199E-06	6.3646E-07	-5.8584E-06	7.7874E-07
14.4	-5.2312E-06	9.2562E-07	-5.3496E-06	1.0640E-06
14.5	-4.7640E-06	1.1630E-06	-4.8642E-06	1.2966E-06
14.6	-4.3197E-06	1.3540E-06	-4.4034E-06	1.4821E-06
14.7	-3.8991E-06	1.5037E-06	-3.9682E-06	1.6258E-06
14.8	-3.5028E-06	1.6166E-06	-3.5588E-06	1.7324E-06
14.9	-3.1312E-06	1.6971E-06	-3.1756E-06	1.8065E-06
15.0	-2.7840E-06	1.7493E-06	-2.8182E-06	1.8520E-06

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	-2.7840E-06	1.7493E-06	-2.8182E-06	1.8520E-06
15.1	-2.4612E-06	1.7769E-06	-2.4864E-06	1.8729E-06
15.2	-2.1621E-06	1.7831E-06	-2.1796E-06	1.8725E-06
15.3	-1.8863E-06	1.7712E-06	-1.8970E-06	1.8540E-06
15.4	-1.6329E-06	1.7438E-06	-1.6378E-06	1.8203E-06
15.5	-1.4011E-06	1.7036E-06	-1.4010E-06	1.7739E-06
15.6	-1.1899E-06	1.6529E-06	-1.1857E-06	1.7172E-06
15.7	-9.9829E-07	1.5936E-06	-9.9067E-07	1.6523E-06
15.8	-8.2530E-07	1.5277E-06	-8.1487E-07	1.5810E-06
15.9	-6.6984E-07	1.4567E-06	-6.5714E-07	1.5048E-06
16.0	-5.3081E-07	1.3820E-06	-5.1633E-07	1.4254E-06
16.1	-4.0712E-07	1.3051E-06	-3.9131E-07	1.3439E-06
16.2	-2.9773E-07	1.2268E-06	-2.8095E-07	1.2614E-06
16.3	-2.0157E-07	1.1482E-06	-1.8415E-07	1.1790E-06
16.4	-1.1762E-07	1.0701E-06	-9.9847E-08	1.0972E-06
16.5	-4.4889E-08	9.9313E-07	-2.7008E-08	1.0170E-06
16.6	1.7569E-08	9.1792E-07	3.5355E-08	9.3869E-07
16.7	7.0666E-08	8.4491E-07	8.8187E-08	8.6289E-07
16.8	1.1527E-07	7.7450E-07	1.3238E-07	7.8993E-07
16.9	1.5220E-07	7.0696E-07	1.6879E-07	7.2009E-07
17.0	1.8223E-07	6.4254E-07	1.9821E-07	6.5359E-07
17.1	2.0609E-07	5.8139E-07	2.2138E-07	5.9057E-07
17.2	2.2445E-07	5.2362E-07	2.3901E-07	5.3113E-07
17.3	2.3796E-07	4.6930E-07	2.5174E-07	4.7532E-07
17.4	2.4718E-07	4.1844E-07	2.6017E-07	4.2314E-07
17.5	2.5267E-07	3.7101E-07	2.6485E-07	3.7456E-07
17.6	2.5491E-07	3.2698E-07	2.6629E-07	3.2951E-07
17.7	2.5437E-07	2.8627E-07	2.6495E-07	2.8791E-07
17.8	2.5147E-07	2.4877E-07	2.6126E-07	2.4966E-07
17.9	2.4656E-07	2.1439E-07	2.5559E-07	2.1462E-07
18.0	2.4001E-07	1.8299E-07	2.4830E-07	1.8267E-07
18.1	2.3210E-07	1.5444E-07	2.3968E-07	1.5365E-07
18.2	2.2312E-07	1.2859E-07	2.3003E-07	1.2742E-07
18.3	2.1332E-07	1.0529E-07	2.1958E-07	1.0382E-07
18.4	2.0290E-07	8.4401E-08	2.0855E-07	8.2678E-08
18.5	1.9205E-07	6.5763E-08	1.9714E-07	6.3849E-08
18.6	1.8095E-07	4.9225E-08	1.8550E-07	4.7170E-08
18.7	1.6974E-07	3.4639E-08	1.7379E-07	3.2486E-08
18.8	1.5854E-07	2.1858E-08	1.6213E-07	1.9644E-08
18.9	1.4746E-07	1.0740E-08	1.5062E-07	8.4981E-09
19.0	1.3659E-07	1.1482E-09	1.3935E-07	-1.0946E-09
19.1	1.2599E-07	-7.0494E-09	1.2839E-07	-9.2698E-09
19.2	1.1574E-07	-1.3979E-08	1.1781E-07	-1.6157E-08
19.3	1.0588E-07	-1.9759E-08	1.0765E-07	-2.1879E-08
19.4	9.6446E-08	-2.4502E-08	9.7946E-08	-2.6552E-08
19.5	8.7468E-08	-2.8316E-08	8.8722E-08	-3.0285E-08
19.6	7.8965E-08	-3.1300E-08	7.9999E-08	-3.3181E-08
19.7	7.0948E-08	-3.3547E-08	7.1786E-08	-3.5333E-08
19.8	6.3425E-08	-3.5143E-08	6.4088E-08	-3.6832E-08
19.9	5.6394E-08	-3.6169E-08	5.6902E-08	-3.7757E-08
20.0	4.9851E-08	-3.6698E-08	5.0223E-08	-3.8184E-08

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-7.8540E-01	INFINITY	- INFINITY
0.1	2.4205E+00	-7.7685E-01	6.9402E+00	-7.1467E+00
0.2	1.7331E+00	-7.5812E-01	3.3234E+00	-3.6387E+00
0.3	1.3372E+00	-7.3310E-01	2.0828E+00	-2.4707E+00
0.4	1.0626E+00	-7.0380E-01	1.4443E+00	-1.8820E+00
0.5	8.5591E-01	-6.7158E-01	1.0512E+00	-1.5224E+00
0.6	6.9312E-01	-6.3745E-01	7.8374E-01	-1.2761E+00
0.7	5.6138E-01	-6.0218E-01	5.9018E-01	-1.0941E+00
0.8	4.5288E-01	-5.6637E-01	4.4427E-01	-9.5203E-01
0.9	3.6251E-01	-5.3051E-01	3.3123E-01	-8.3673E-01
1.0	2.8671E-01	-4.9499E-01	2.4200E-01	-7.4032E-01
1.1	2.2284E-01	-4.6013E-01	1.7068E-01	-6.5791E-01
1.2	1.6895E-01	-4.2616E-01	1.1326E-01	-5.8627E-01
1.3	1.2346E-01	-3.9329E-01	6.6833E-02	-5.2322E-01
1.4	8.5126E-02	-3.6166E-01	2.9284E-02	-4.6718E-01
1.5	5.2935E-02	-3.3140E-01	-1.0087E-03	-4.1704E-01
1.6	2.6030E-02	-3.0257E-01	-2.5307E-02	-3.7195E-01
1.7	3.6911E-03	-2.7523E-01	-4.4615E-02	-3.3125E-01
1.8	-1.4696E-02	-2.4942E-01	-5.9748E-02	-2.9443E-01
1.9	-2.9661E-02	-2.2514E-01	-7.1374E-02	-2.6106E-01
2.0	-4.1665E-02	-2.0240E-01	-8.0049E-02	-2.3081E-01
2.1	-5.1106E-02	-1.8117E-01	-8.6243E-02	-2.0337E-01
2.2	-5.8339E-02	-1.6143E-01	-9.0352E-02	-1.7851E-01
2.3	-6.3670E-02	-1.4314E-01	-9.2713E-02	-1.5600E-01
2.4	-6.7373E-02	-1.2624E-01	-9.3617E-02	-1.3564E-01
2.5	-6.9688E-02	-1.1070E-01	-9.3314E-02	-1.1726E-01
2.6	-7.0826E-02	-9.6443E-02	-9.2018E-02	-1.0070E-01
2.7	-7.0974E-02	-8.3422E-02	-8.9916E-02	-8.5808E-02
2.8	-7.0296E-02	-7.1571E-02	-8.7168E-02	-7.2461E-02
2.9	-6.8939E-02	-6.0825E-02	-8.3913E-02	-6.0530E-02
3.0	-6.7029E-02	-5.1122E-02	-8.0270E-02	-4.9898E-02
3.1	-6.4679E-02	-4.2395E-02	-7.6343E-02	-4.0460E-02
3.2	-6.1985E-02	-3.4582E-02	-7.2221E-02	-3.2113E-02
3.3	-5.9033E-02	-2.7620E-02	-6.7978E-02	-2.4766E-02
3.4	-5.5897E-02	-2.1446E-02	-6.3678E-02	-1.8330E-02
3.5	-5.2639E-02	-1.6003E-02	-5.9376E-02	-1.2723E-02
3.6	-4.9316E-02	-1.1231E-02	-5.5118E-02	-7.8706E-03
3.7	-4.5972E-02	-7.0767E-03	-5.0940E-02	-3.7006E-03
3.8	-4.2647E-02	-3.4867E-03	-4.6873E-02	-1.4714E-04
3.9	-3.9374E-02	-4.1081E-04	-4.2942E-02	2.8512E-03
4.0	-3.6179E-02	2.1984E-03	-3.9166E-02	5.3513E-03
4.1	-3.3084E-02	4.3858E-03	-3.5560E-02	7.4061E-03
4.2	-3.0108E-02	6.1936E-03	-3.2135E-02	9.0642E-03
4.3	-2.7262E-02	7.6613E-03	-2.8898E-02	1.0371E-02
4.4	-2.4557E-02	8.8256E-03	-2.5853E-02	1.1367E-02
4.5	-2.2000E-02	9.7209E-03	-2.3002E-02	1.2091E-02
4.6	-1.9595E-02	1.0379E-02	-2.0344E-02	1.2577E-02
4.7	-1.7344E-02	1.0829E-02	-1.7878E-02	1.2857E-02
4.8	-1.5248E-02	1.1097E-02	-1.5598E-02	1.2961E-02
4.9	-1.3305E-02	1.1210E-02	-1.3500E-02	1.2913E-02
5.0	-1.1512E-02	1.1188E-02	-1.1578E-02	1.2737E-02

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GOULD INC GLEN BURNIE MD CHESAPEAKE INSTRUMENT DIV

F/G 12/1

TABLE OF THE MODIFIED BESSEL FUNCTIONS OF ORDERS ZERO AND ONE T--ETC(U)

JUN 81 O LINDEMANN

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END
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R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	-1.1512E-02	1.1188E-02	-1.1578E-02	1.2737E-02
5.1	-9.8647E-03	1.1052E-02	-9.8242E-03	1.2456E-02
5.2	-8.3591E-03	1.0821E-02	-8.2318E-03	1.2087E-02
5.3	-6.9893E-03	1.0512E-02	-6.7924E-03	1.1648E-02
5.4	-5.7491E-03	1.0139E-02	-5.4976E-03	1.1154E-02
5.5	-4.6322E-03	9.7163E-03	-4.3389E-03	1.0618E-02
5.6	-3.6316E-03	9.2550E-03	-3.3078E-03	1.0053E-02
5.7	-2.7404E-03	8.7657E-03	-2.3955E-03	9.4672E-03
5.8	-1.9516E-03	8.2577E-03	-1.5937E-03	8.8710E-03
5.9	-1.2581E-03	7.7390E-03	-8.9400E-04	8.2718E-03
6.0	-6.5304E-04	7.2165E-03	-2.8835E-04	7.6761E-03
6.1	-1.2953E-04	6.6961E-03	2.3108E-04	7.0894E-03
6.2	3.1906E-04	6.1827E-03	6.7181E-04	6.5164E-03
6.3	6.9912E-04	5.6808E-03	1.0410E-03	5.9608E-03
6.4	1.0168E-03	5.1936E-03	1.3455E-03	5.4258E-03
6.5	1.2781E-03	4.7240E-03	1.5917E-03	4.9137E-03
6.6	1.4884E-03	4.2742E-03	1.7858E-03	4.4263E-03
6.7	1.6532E-03	3.8459E-03	1.9334E-03	3.9650E-03
6.8	1.7774E-03	3.4404E-03	2.0399E-03	3.5305E-03
6.9	1.8655E-03	3.0584E-03	2.1102E-03	3.1233E-03
7.0	1.9220E-03	2.7004E-03	2.1489E-03	2.7436E-03
7.1	1.9509E-03	2.3665E-03	2.1602E-03	2.3911E-03
7.2	1.9559E-03	2.0566E-03	2.1481E-03	2.0655E-03
7.3	1.9403E-03	1.7705E-03	2.1159E-03	1.7661E-03
7.4	1.9074E-03	1.5074E-03	2.0671E-03	1.4920E-03
7.5	1.8599E-03	1.2669E-03	2.0044E-03	1.2425E-03
7.6	1.8004E-03	1.0480E-03	1.9306E-03	1.0163E-03
7.7	1.7313E-03	8.4979E-04	1.8480E-03	8.1251E-04
7.8	1.6547E-03	6.7137E-04	1.7586E-03	6.2981E-04
7.9	1.5723E-03	5.1166E-04	1.6644E-03	4.6700E-04
8.0	1.4858E-03	3.6958E-04	1.5670E-03	3.2286E-04
8.1	1.3968E-03	2.4403E-04	1.4678E-03	1.9612E-04
8.2	1.3064E-03	1.3390E-04	1.3681E-03	8.5558E-05
8.3	1.2157E-03	3.8089E-05	1.2689E-03	-1.0056E-05
8.4	1.1258E-03	-4.4491E-05	1.1713E-03	-9.1911E-05
8.5	1.0373E-03	-1.1490E-04	1.0758E-03	-1.6117E-04
8.6	9.5107E-04	-1.7418E-04	9.8318E-04	-2.1894E-04
8.7	8.6751E-04	-2.2331E-04	8.9394E-04	-2.6629E-04
8.8	7.8712E-04	-2.6325E-04	8.0848E-04	-3.0425E-04
8.9	7.1025E-04	-2.9491E-04	7.2711E-04	-3.3378E-04
9.0	6.3716E-04	-3.1915E-04	6.5005E-04	-3.5578E-04
9.1	5.6805E-04	-3.3679E-04	5.7746E-04	-3.7112E-04
9.2	5.0305E-04	-3.4858E-04	5.0941E-04	-3.8059E-04
9.3	4.4220E-04	-3.5524E-04	4.4595E-04	-3.8493E-04
9.4	3.8554E-04	-3.5742E-04	3.8703E-04	-3.8483E-04
9.5	3.3303E-04	-3.5574E-04	3.3261E-04	-3.8092E-04
9.6	2.8460E-04	-3.5077E-04	2.8259E-04	-3.7378E-04
9.7	2.4017E-04	-3.4301E-04	2.3682E-04	-3.6394E-04
9.8	1.9960E-04	-3.3294E-04	1.9517E-04	-3.5189E-04
9.9	1.6275E-04	-3.2098E-04	1.5747E-04	-3.3804E-04
10.0	1.2947E-04	-3.0752E-04	1.2352E-04	-3.2280E-04

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	1.2947E-04	-3.0752E-04	1.2352E-04	-3.2280E-04
10.1	9.9572E-05	-2.9291E-04	9.3132E-05	-3.0651E-04
10.2	7.2886E-05	-2.7744E-04	6.6102E-05	-2.8949E-04
10.3	4.9221E-05	-2.6140E-04	4.2222E-05	-2.7199E-04
10.4	2.8385E-05	-2.4502E-04	2.1283E-05	-2.5427E-04
10.5	1.0188E-05	-2.2852E-04	3.0773E-06	-2.3653E-04
10.6	-5.5636E-06	-2.1206E-04	-1.2602E-05	-2.1895E-04
10.7	-1.9056E-05	-1.9582E-04	-2.5955E-05	-2.0167E-04
10.8	-3.0474E-05	-1.7991E-04	-3.7179E-05	-1.8483E-04
10.9	-3.9995E-05	-1.6446E-04	-4.6462E-05	-1.6852E-04
11.0	-4.7792E-05	-1.4954E-04	-5.3987E-05	-1.5285E-04
11.1	-5.4029E-05	-1.3523E-04	-5.9926E-05	-1.3786E-04
11.2	-5.8864E-05	-1.2158E-04	-6.4444E-05	-1.2361E-04
11.3	-6.2445E-05	-1.0864E-04	-6.7695E-05	-1.1014E-04
11.4	-6.4912E-05	-9.6440E-05	-6.9826E-05	-9.7472E-05
11.5	-6.6397E-05	-8.4988E-05	-7.0973E-05	-8.5615E-05
11.6	-6.7022E-05	-7.4296E-05	-7.1261E-05	-7.4573E-05
11.7	-6.6902E-05	-6.4363E-05	-7.0810E-05	-6.4340E-05
11.8	-6.6141E-05	-5.5179E-05	-6.9726E-05	-5.4904E-05
11.9	-6.4837E-05	-4.6731E-05	-6.8110E-05	-4.6245E-05
12.0	-6.3077E-05	-3.9000E-05	-6.6050E-05	-3.8340E-05
12.1	-6.0943E-05	-3.1960E-05	-6.3630E-05	-3.1161E-05
12.2	-5.8508E-05	-2.5585E-05	-6.0923E-05	-2.4676E-05
12.3	-5.5838E-05	-1.9844E-05	-5.7996E-05	-1.8852E-05
12.4	-5.2991E-05	-1.4706E-05	-5.4908E-05	-1.3654E-05
12.5	-5.0020E-05	-1.0136E-05	-5.1712E-05	-9.0457E-06
12.6	-4.6972E-05	-6.1016E-06	-4.8455E-05	-4.9896E-06
12.7	-4.3886E-05	-2.5666E-06	-4.5176E-05	-1.4484E-06
12.8	-4.0799E-05	5.0359E-07	-4.1911E-05	1.6150E-06
12.9	-3.7740E-05	3.1435E-06	-3.8689E-05	4.2371E-06
13.0	-3.4736E-05	5.3870E-06	-3.5537E-05	6.4537E-06
13.1	-3.1808E-05	7.2673E-06	-3.2475E-05	8.2997E-06
13.2	-2.8975E-05	8.8163E-06	-2.9520E-05	9.8086E-06
13.3	-2.6251E-05	1.0065E-05	-2.6687E-05	1.1012E-05
13.4	-2.3647E-05	1.1043E-05	-2.3986E-05	1.1942E-05
13.5	-2.1172E-05	1.1777E-05	-2.1425E-05	1.2626E-05
13.6	-1.8833E-05	1.2296E-05	-1.9010E-05	1.3092E-05
13.7	-1.6633E-05	1.2622E-05	-1.6744E-05	1.3366E-05
13.8	-1.4575E-05	1.2781E-05	-1.4629E-05	1.3472E-05
13.9	-1.2659E-05	1.2793E-05	-1.2663E-05	1.3432E-05
14.0	-1.0884E-05	1.2678E-05	-1.0846E-05	1.3267E-05
14.1	-9.2481E-06	1.2456E-05	-9.1748E-06	1.2995E-05
14.2	-7.7476E-06	1.2144E-05	-7.6451E-06	1.2634E-05
14.3	-6.3786E-06	1.1756E-05	-6.2524E-06	1.2200E-05
14.4	-5.1363E-06	1.1307E-05	-4.9912E-06	1.1708E-05
14.5	-4.0152E-06	1.0810E-05	-3.8556E-06	1.1169E-05
14.6	-3.0095E-06	1.0276E-05	-2.8392E-06	1.0596E-05
14.7	-2.1131E-06	9.7163E-06	-1.9355E-06	9.9994E-06
14.8	-1.3195E-06	9.1388E-06	-1.1377E-06	9.3877E-06
14.9	-6.2238E-07	8.5520E-06	-4.3880E-07	8.7692E-06
15.0	-1.5143E-08	7.9629E-06	1.6797E-07	8.1508E-06

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	-1.5143E-08	7.9629E-06	1.6797E-07	8.1508E-06
15.1	5.0870E-07	7.3775E-06	6.8948E-07	7.5384E-06
15.2	9.5555E-07	6.8009E-06	1.1324E-06	6.9372E-06
15.3	1.3317E-06	6.2376E-06	1.5034E-06	6.3515E-06
15.4	1.6432E-06	5.6911E-06	1.8087E-06	5.7848E-06
15.5	1.8959E-06	5.1646E-06	2.0544E-06	5.2400E-06
15.6	2.0955E-06	4.6603E-06	2.2463E-06	4.7193E-06
15.7	2.2474E-06	4.1800E-06	2.3901E-06	4.2245E-06
15.8	2.3566E-06	3.7252E-06	2.4909E-06	3.7569E-06
15.9	2.4280E-06	3.2967E-06	2.5537E-06	3.3171E-06
16.0	2.4660E-06	2.8951E-06	2.5831E-06	2.9056E-06
16.1	2.4750E-06	2.5205E-06	2.5834E-06	2.5226E-06
16.2	2.4587E-06	2.1729E-06	2.5587E-06	2.1677E-06
16.3	2.4208E-06	1.8519E-06	2.5126E-06	1.8406E-06
16.4	2.3647E-06	1.5570E-06	2.4485E-06	1.5406E-06
16.5	2.2934E-06	1.2875E-06	2.3695E-06	1.2669E-06
16.6	2.2097E-06	1.0424E-06	2.2784E-06	1.0185E-06
16.7	2.1160E-06	8.2088E-07	2.1778E-06	7.9436E-07
16.8	2.0147E-06	6.2174E-07	2.0699E-06	5.9327E-07
16.9	1.9078E-06	4.4386E-07	1.9568E-06	4.1403E-07
17.0	1.7971E-06	2.8605E-07	1.8403E-06	2.5537E-07
17.1	1.6842E-06	1.4708E-07	1.7220E-06	1.1599E-07
17.2	1.5704E-06	2.5711E-08	1.6032E-06	-5.4047E-09
17.3	1.4571E-06	-7.9293E-08	1.4852E-06	-1.1011E-07
17.4	1.3451E-06	-1.6917E-07	1.3691E-06	-1.9940E-07
17.5	1.2355E-06	-2.4511E-07	1.2556E-06	-2.7453E-07
17.6	1.1290E-06	-3.0830E-07	1.1455E-06	-3.3673E-07
17.7	1.0261E-06	-3.5986E-07	1.0395E-06	-3.8715E-07
17.8	9.2735E-07	-4.0091E-07	9.3794E-07	-4.2693E-07
17.9	8.3316E-07	-4.3247E-07	8.4123E-07	-4.5715E-07
18.0	7.4381E-07	-4.5555E-07	7.4963E-07	-4.7882E-07
18.1	6.5949E-07	-4.7107E-07	6.6333E-07	-4.9291E-07
18.2	5.8032E-07	-4.7993E-07	5.8244E-07	-5.0031E-07
18.3	5.0637E-07	-4.8295E-07	5.0699E-07	-5.0188E-07
18.4	4.3764E-07	-4.8090E-07	4.3697E-07	-4.9839E-07
18.5	3.7407E-07	-4.7450E-07	3.7231E-07	-4.9058E-07
18.6	3.1557E-07	-4.6439E-07	3.1290E-07	-4.7910E-07
18.7	2.6201E-07	-4.5118E-07	2.5859E-07	-4.6457E-07
18.8	2.1324E-07	-4.3543E-07	2.0921E-07	-4.4755E-07
18.9	1.6907E-07	-4.1763E-07	1.6456E-07	-4.2855E-07
19.0	1.2929E-07	-3.9824E-07	1.2442E-07	-4.0801E-07
19.1	9.3697E-08	-3.7766E-07	8.8564E-08	-3.8635E-07
19.2	6.2053E-08	-3.5624E-07	5.6751E-08	-3.6392E-07
19.3	3.4126E-08	-3.3432E-07	2.8734E-08	-3.4105E-07
19.4	9.6778E-09	-3.1216E-07	4.2651E-09	-3.1802E-07
19.5	-1.1531E-08	-2.9002E-07	-1.6907E-08	-2.9507E-07
19.6	-2.9739E-08	-2.6811E-07	-3.5028E-08	-2.7241E-07
19.7	-4.5180E-08	-2.4660E-07	-5.0339E-08	-2.5022E-07
19.8	-5.8082E-08	-2.2565E-07	-6.3079E-08	-2.2865E-07
19.9	-6.8668E-08	-2.0538E-07	-7.3474E-08	-2.0783E-07
20.0	-7.7152E-08	-1.8589E-07	-8.1746E-08	-1.8784E-07

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-8.7266E-01	INFINITY	- INFINITY
0.1	2.4192E+00	-8.6387E-01	6.3008E+00	-7.7443E+00
0.2	1.7291E+00	-8.4432E-01	3.0051E+00	-3.9457E+00
0.3	1.3298E+00	-8.1787E-01	1.8699E+00	-2.6819E+00
0.4	1.0514E+00	-7.8657E-01	1.2825E+00	-2.0452E+00
0.5	8.4075E-01	-7.5183E-01	9.1874E-01	-1.6563E+00
0.6	6.7404E-01	-7.1471E-01	6.6986E-01	-1.3899E+00
0.7	5.3851E-01	-6.7603E-01	4.8878E-01	-1.1927E+00
0.8	4.2645E-01	-6.3646E-01	3.5168E-01	-1.0385E+00
0.9	3.3280E-01	-5.9656E-01	2.4512E-01	-9.1303E-01
1.0	2.5406E-01	-5.5678E-01	1.6086E-01	-8.0776E-01
1.1	1.8763E-01	-5.1748E-01	9.3530E-02	-7.1744E-01
1.2	1.3154E-01	-4.7896E-01	3.9430E-02	-6.3861E-01
1.3	8.4258E-02	-4.4149E-01	-4.0849E-03	-5.6894E-01
1.4	4.4525E-02	-4.0526E-01	-3.8982E-02	-5.0677E-01
1.5	1.1314E-02	-3.7042E-01	-6.6771E-02	-4.5092E-01
1.6	-1.6242E-02	-3.3709E-01	-8.8637E-02	-4.0051E-01
1.7	-3.8879E-02	-3.0537E-01	-1.0553E-01	-3.5484E-01
1.8	-5.7236E-02	-2.7532E-01	-1.1825E-01	-3.1339E-01
1.9	-7.1864E-02	-2.4698E-01	-1.2742E-01	-2.7572E-01
2.0	-8.3250E-02	-2.2036E-01	-1.3360E-01	-2.4149E-01
2.1	-9.1822E-02	-1.9546E-01	-1.3726E-01	-2.1040E-01
2.2	-9.7958E-02	-1.7227E-01	-1.3879E-01	-1.8218E-01
2.3	-1.0200E-01	-1.5076E-01	-1.3855E-01	-1.5661E-01
2.4	-1.0424E-01	-1.3090E-01	-1.3683E-01	-1.3349E-01
2.5	-1.0494E-01	-1.1262E-01	-1.3388E-01	-1.1263E-01
2.6	-1.0435E-01	-9.5886E-02	-1.2995E-01	-9.3868E-02
2.7	-1.0268E-01	-8.0625E-02	-1.2522E-01	-7.7046E-02
2.8	-1.0012E-01	-6.6773E-02	-1.1988E-01	-6.2018E-02
2.9	-9.6826E-02	-5.4262E-02	-1.1407E-01	-4.8649E-02
3.0	-9.2954E-02	-4.3019E-02	-1.0792E-01	-3.6811E-02
3.1	-8.8633E-02	-3.2971E-02	-1.0155E-01	-2.6384E-02
3.2	-8.3978E-02	-2.4044E-02	-9.5055E-02	-1.7254E-02
3.3	-7.9088E-02	-1.6165E-02	-8.8522E-02	-9.3134E-03
3.4	-7.4051E-02	-9.2604E-03	-8.2021E-02	-2.4613E-03
3.5	-6.8944E-02	-3.2585E-03	-7.5614E-02	3.3982E-03
3.6	-6.3830E-02	1.9105E-03	-6.9352E-02	8.3554E-03
3.7	-5.8765E-02	6.3149E-03	-6.3275E-02	1.2495E-02
3.8	-5.3795E-02	1.0020E-02	-5.7419E-02	1.5897E-02
3.9	-4.8959E-02	1.3089E-02	-5.1810E-02	1.8636E-02
4.0	-4.4289E-02	1.5581E-02	-4.6469E-02	2.0782E-02
4.1	-3.9809E-02	1.7555E-02	-4.1410E-02	2.2400E-02
4.2	-3.5539E-02	1.9064E-02	-3.6644E-02	2.3551E-02
4.3	-3.1494E-02	2.0158E-02	-3.2177E-02	2.4291E-02
4.4	-2.7683E-02	2.0886E-02	-2.8011E-02	2.4672E-02
4.5	-2.4114E-02	2.1292E-02	-2.4144E-02	2.4741E-02
4.6	-2.0789E-02	2.1418E-02	-2.0574E-02	2.4543E-02
4.7	-1.7709E-02	2.1301E-02	-1.7293E-02	2.4119E-02
4.8	-1.4870E-02	2.0978E-02	-1.4295E-02	2.3503E-02
4.9	-1.2268E-02	2.0480E-02	-1.1568E-02	2.2731E-02
5.0	-9.8976E-03	1.9837E-02	-9.1038E-03	2.1832E-02

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	-9.8976E-03	1.9837E-02	-9.1038E-03	2.1832E-02
5.1	-7.7502E-03	1.9077E-02	-6.8886E-03	2.0833E-02
5.2	-5.8172E-03	1.8222E-02	-4.9103E-03	1.9758E-02
5.3	-4.0886E-03	1.7296E-02	-3.1556E-03	1.8628E-02
5.4	-2.5539E-03	1.6317E-02	-1.6111E-03	1.7463E-02
5.5	-1.2021E-03	1.5303E-02	-2.6314E-04	1.6280E-02
5.6	-2.1993E-05	1.4269E-02	9.0208E-04	1.5093E-02
5.7	9.9807E-04	1.3229E-02	1.8981E-03	1.3914E-02
5.8	1.8696E-03	1.2193E-02	2.7383E-03	1.2754E-02
5.9	2.6039E-03	1.1172E-02	3.4357E-03	1.1623E-02
6.0	3.2123E-03	1.0175E-02	4.0030E-03	1.0527E-02
6.1	3.7058E-03	9.2079E-03	4.4522E-03	9.4736E-03
6.2	4.0949E-03	8.2768E-03	4.7951E-03	8.4666E-03
6.3	4.3898E-03	7.3862E-03	5.0428E-03	7.5101E-03
6.4	4.6004E-03	6.5397E-03	5.2057E-03	6.6068E-03
6.5	4.7358E-03	5.7400E-03	5.2938E-03	5.7586E-03
6.6	4.8049E-03	4.9888E-03	5.3164E-03	4.9664E-03
6.7	4.8159E-03	4.2872E-03	5.2822E-03	4.2306E-03
6.8	4.7765E-03	3.6357E-03	5.1991E-03	3.5509E-03
6.9	4.6938E-03	3.0341E-03	5.0746E-03	2.9266E-03
7.0	4.5746E-03	2.4817E-03	4.9156E-03	2.3564E-03
7.1	4.4249E-03	1.9776E-03	4.7283E-03	1.8388E-03
7.2	4.2503E-03	1.5204E-03	4.5183E-03	1.3718E-03
7.3	4.0558E-03	1.1084E-03	4.2909E-03	9.5331E-04
7.4	3.8461E-03	7.3979E-04	4.0506E-03	5.8100E-04
7.5	3.6254E-03	4.1243E-04	3.8016E-03	2.5239E-04
7.6	3.3972E-03	1.2415E-04	3.5475E-03	-3.5065E-05
7.7	3.1650E-03	-1.2735E-04	3.2915E-03	-2.8401E-04
7.8	2.9315E-03	-3.4443E-04	3.0365E-03	-4.9711E-04
7.9	2.6992E-03	-5.2946E-04	2.7848E-03	-6.7700E-04
8.0	2.4704E-03	-6.8484E-04	2.5385E-03	-8.2631E-04
8.1	2.2468E-03	-8.1293E-04	2.2993E-03	-9.4764E-04
8.2	2.0301E-03	-9.1606E-04	2.0688E-03	-1.0435E-03
8.3	1.8214E-03	-9.9648E-04	1.8479E-03	-1.1162E-03
8.4	1.6218E-03	-1.0564E-03	1.6377E-03	-1.1683E-03
8.5	1.4321E-03	-1.0979E-03	1.4388E-03	-1.2018E-03
8.6	1.2529E-03	-1.1230E-03	1.2516E-03	-1.2190E-03
8.7	1.0846E-03	-1.1336E-03	1.0766E-03	-1.2217E-03
8.8	9.2736E-04	-1.1314E-03	9.1381E-04	-1.2119E-03
8.9	7.8141E-04	-1.1183E-03	7.6325E-04	-1.1913E-03
9.0	6.4669E-04	-1.0957E-03	6.2481E-04	-1.1616E-03
9.1	5.2306E-04	-1.0652E-03	4.9826E-04	-1.1242E-03
9.2	4.1030E-04	-1.0280E-03	3.8331E-04	-1.0805E-03
9.3	3.0812E-04	-9.8537E-04	2.7955E-04	-1.0318E-03
9.4	2.1615E-04	-9.3850E-04	1.8656E-04	-9.7924E-04
9.5	1.3396E-04	-8.8839E-04	1.0384E-04	-9.2379E-04
9.6	6.1106E-05	-8.3594E-04	3.0861E-05	-8.6640E-04
9.7	-2.9140E-06	-7.8199E-04	-3.2923E-05	-8.0789E-04
9.8	-5.8613E-05	-7.2727E-04	-8.8086E-05	-7.4899E-04
9.9	-1.0652E-04	-6.7241E-04	-1.3521E-04	-6.9033E-04
10.0	-1.4718E-04	-6.1798E-04	-1.7487E-04	-6.3245E-04

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-1.4718E-04	-6.1798E-04	-1.7487E-04	-6.3245E-04
10.1	-1.8112E-04	-5.6446E-04	-2.0766E-04	-5.7583E-04
10.2	-2.0888E-04	-5.1226E-04	-2.3415E-04	-5.2086E-04
10.3	-2.3099E-04	-4.6173E-04	-2.5489E-04	-4.6786E-04
10.4	-2.4796E-04	-4.1315E-04	-2.7042E-04	-4.1710E-04
10.5	-2.6029E-04	-3.6674E-04	-2.8128E-04	-3.6879E-04
10.6	-2.6846E-04	-3.2269E-04	-2.8795E-04	-3.2309E-04
10.7	-2.7292E-04	-2.8113E-04	-2.9093E-04	-2.8011E-04
10.8	-2.7411E-04	-2.4213E-04	-2.9065E-04	-2.3992E-04
10.9	-2.7245E-04	-2.0577E-04	-2.8754E-04	-2.0255E-04
11.0	-2.6831E-04	-1.7204E-04	-2.8200E-04	-1.6801E-04
11.1	-2.6205E-04	-1.4096E-04	-2.7439E-04	-1.3626E-04
11.2	-2.5401E-04	-1.1247E-04	-2.6507E-04	-1.0726E-04
11.3	-2.4450E-04	-8.6534E-05	-2.5434E-04	-8.0941E-05
11.4	-2.3381E-04	-6.3072E-05	-2.4249E-04	-5.7212E-05
11.5	-2.2218E-04	-4.1997E-05	-2.2977E-04	-3.5972E-05
11.6	-2.0985E-04	-2.3209E-05	-2.1643E-04	-1.7108E-05
11.7	-1.9704E-04	-6.5998E-06	-2.0268E-04	-5.0027E-07
11.8	-1.8393E-04	7.9481E-06	-1.8871E-04	1.3980E-05
11.9	-1.7069E-04	2.0556E-05	-1.7467E-04	2.6466E-05
12.0	-1.5747E-04	3.1349E-05	-1.6073E-04	3.7090E-05
12.1	-1.4439E-04	4.0455E-05	-1.4699E-04	4.5988E-05
12.2	-1.3156E-04	4.7999E-05	-1.3357E-04	5.3295E-05
12.3	-1.1908E-04	5.4109E-05	-1.2056E-04	5.9143E-05
12.4	-1.0702E-04	5.8908E-05	-1.0803E-04	6.3664E-05
12.5	-9.5456E-05	6.2516E-05	-9.6050E-05	6.6982E-05
12.6	-8.4428E-05	6.5051E-05	-8.4660E-05	6.9219E-05
12.7	-7.3978E-05	6.6624E-05	-7.3896E-05	7.0493E-05
12.8	-6.4135E-05	6.7345E-05	-6.3785E-05	7.0914E-05
12.9	-5.4918E-05	6.7313E-05	-5.4340E-05	7.0588E-05
13.0	-4.6337E-05	6.6626E-05	-4.5570E-05	6.9612E-05
13.1	-3.8394E-05	6.5375E-05	-3.7473E-05	6.8080E-05
13.2	-3.1087E-05	6.3643E-05	-3.0043E-05	6.6078E-05
13.3	-2.4404E-05	6.1508E-05	-2.3266E-05	6.3686E-05
13.4	-1.8333E-05	5.9043E-05	-1.7125E-05	6.0976E-05
13.5	-1.2854E-05	5.6314E-05	-1.1600E-05	5.8015E-05
13.6	-7.9454E-06	5.3381E-05	-6.6645E-06	5.4865E-05
13.7	-3.5827E-06	5.0299E-05	-2.2925E-06	5.1581E-05
13.8	2.6117E-07	4.7116E-05	1.5457E-06	4.8210E-05
13.9	3.6146E-06	4.3878E-05	4.8807E-06	4.4798E-05
14.0	6.5073E-06	4.0622E-05	7.7439E-06	4.1383E-05
14.1	8.9695E-06	3.7382E-05	1.0168E-05	3.7998E-05
14.2	1.1032E-05	3.4188E-05	1.2185E-05	3.4673E-05
14.3	1.2726E-05	3.1065E-05	1.3827E-05	3.1432E-05
14.4	1.4080E-05	2.8035E-05	1.5125E-05	2.8297E-05
14.5	1.5126E-05	2.5116E-05	1.6112E-05	2.5283E-05
14.6	1.5892E-05	2.2321E-05	1.6816E-05	2.2406E-05
14.7	1.6406E-05	1.9662E-05	1.7268E-05	1.9675E-05
14.8	1.6695E-05	1.7148E-05	1.7494E-05	1.7099E-05
14.9	1.6785E-05	1.4785E-05	1.7521E-05	1.4683E-05
15.0	1.6700E-05	1.2577E-05	1.7374E-05	1.2430E-05

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	1.6700E-05	1.2577E-05	1.7374E-05	1.2430E-05
15.1	1.6464E-05	1.0526E-05	1.7077E-05	1.0342E-05
15.2	1.6096E-05	8.6313E-06	1.6651E-05	8.4171E-06
15.3	1.5619E-05	6.8921E-06	1.6117E-05	6.6542E-06
15.4	1.5050E-05	5.3055E-06	1.5494E-05	5.0498E-06
15.5	1.4406E-05	3.8676E-06	1.4800E-05	3.5991E-06
15.6	1.3704E-05	2.5736E-06	1.4049E-05	2.2970E-06
15.7	1.2957E-05	1.4179E-06	1.3257E-05	1.1371E-06
15.8	1.2178E-05	3.9419E-07	1.2436E-05	1.1282E-07
15.9	1.1379E-05	-5.0419E-07	1.1598E-05	-7.8317E-07
16.0	1.0570E-05	-1.2844E-06	1.0753E-05	-1.5584E-06
16.1	9.7605E-06	-1.9538E-06	9.9104E-06	-2.2206E-06
16.2	8.9582E-06	-2.5198E-06	9.0781E-06	-2.7777E-06
16.3	8.1701E-06	-2.9900E-06	8.2627E-06	-3.2375E-06
16.4	7.4018E-06	-3.3720E-06	7.4700E-06	-3.6079E-06
16.5	6.6585E-06	-3.6731E-06	6.7049E-06	-3.8966E-06
16.6	5.9441E-06	-3.9007E-06	5.9712E-06	-4.1110E-06
16.7	5.2619E-06	-4.0618E-06	5.2721E-06	-4.2586E-06
16.8	4.6146E-06	-4.1632E-06	4.6100E-06	-4.3463E-06
16.9	4.0039E-06	-4.2115E-06	3.9866E-06	-4.3809E-06
17.0	3.4312E-06	-4.2128E-06	3.4031E-06	-4.3686E-06
17.1	2.8973E-06	-4.1731E-06	2.8601E-06	-4.3155E-06
17.2	2.4024E-06	-4.0980E-06	2.3578E-06	-4.2273E-06
17.3	1.9464E-06	-3.9926E-06	1.8959E-06	-4.1093E-06
17.4	1.5289E-06	-3.8617E-06	1.4737E-06	-3.9663E-06
17.5	1.1490E-06	-3.7099E-06	1.0904E-06	-3.8029E-06
17.6	8.0565E-07	-3.5412E-06	7.4471E-07	-3.6233E-06
17.7	4.9765E-07	-3.3594E-06	4.3529E-07	-3.4311E-06
17.8	2.2350E-07	-3.1679E-06	1.6057E-07	-3.2300E-06
17.9	-1.8405E-08	-2.9697E-06	-8.1175E-08	-3.0228E-06
18.0	-2.2977E-07	-2.7677E-06	-2.9176E-07	-2.8125E-06
18.1	-4.1240E-07	-2.5642E-06	-4.7307E-07	-2.6013E-06
18.2	-5.6812E-07	-2.3615E-06	-6.2703E-07	-2.3915E-06
18.3	-6.9882E-07	-2.1613E-06	-7.5559E-07	-2.1850E-06
18.4	-8.0637E-07	-1.9653E-06	-8.6071E-07	-1.9832E-06
18.5	-8.9264E-07	-1.7749E-06	-9.4431E-07	-1.7876E-06
18.6	-9.5946E-07	-1.5912E-06	-1.0083E-06	-1.5903E-06
18.7	-1.0086E-06	-1.4151E-06	-1.0545E-06	-1.4151E-06
18.8	-1.0419E-06	-1.2474E-06	-1.0847E-06	-1.2479E-06
18.9	-1.0609E-06	-1.0886E-06	-1.1007E-06	-1.0860E-06
19.0	-1.0673E-06	-9.3923E-07	-1.1040E-06	-9.3400E-07
19.1	-1.0626E-06	-7.9947E-07	-1.0963E-06	-7.9200E-07
19.2	-1.0482E-06	-6.6948E-07	-1.0789E-06	-6.6015E-07
19.3	-1.0254E-06	-5.4930E-07	-1.0533E-06	-5.3845E-07
19.4	-9.9566E-07	-4.3885E-07	-1.0207E-06	-4.2680E-07
19.5	-9.5999E-07	-3.3798E-07	-9.8239E-07	-3.2502E-07
19.6	-9.1951E-07	-2.4647E-07	-9.3937E-07	-2.3284E-07
19.7	-8.7522E-07	-1.6402E-07	-8.9267E-07	-1.4996E-07
19.8	-8.2801E-07	-9.0306E-08	-8.4321E-07	-7.6011E-08
19.9	-7.7872E-07	-2.4933E-08	-7.9180E-07	-1.0584E-08
20.0	-7.2808E-07	3.2508E-08	-7.3919E-07	4.6757E-08

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-9.5993E-01	INFINITY	- INFINITY
0.1	2.4178E+00	-9.5108E-01	5.6130E+00	-8.2836E+00
0.2	1.7250E+00	-9.3107E-01	2.6629E+00	-4.2238E+00
0.3	1.3220E+00	-9.0363E-01	1.6412E+00	-2.8742E+00
0.4	1.0395E+00	-8.7077E-01	1.1087E+00	-2.1948E+00
0.5	8.2447E-01	-8.3391E-01	7.7651E-01	-1.7799E+00
0.6	6.5335E-01	-7.9412E-01	5.4745E-01	-1.4956E+00
0.7	5.1350E-01	-7.5230E-01	3.7960E-01	-1.2848E+00
0.8	3.9732E-01	-7.0914E-01	2.5174E-01	-1.1197E+00
0.9	2.9983E-01	-6.6528E-01	1.5187E-01	-9.8486E-01
1.0	2.1757E-01	-6.2120E-01	7.2666E-02	-8.7133E-01
1.1	1.4801E-01	-5.7736E-01	9.3062E-03	-7.7350E-01
1.2	8.9216E-02	-5.3411E-01	-4.1517E-02	-6.8773E-01
1.3	3.9651E-02	-4.9176E-01	-8.2191E-02	-6.1155E-01
1.4	-1.9211E-03	-4.5057E-01	-1.1450E-01	-5.4325E-01
1.5	-3.6530E-02	-4.1074E-01	-1.3984E-01	-4.8160E-01
1.6	-6.5049E-02	-3.7246E-01	-1.5929E-01	-4.2568E-01
1.7	-8.8229E-02	-3.3585E-01	-1.7375E-01	-3.7480E-01
1.8	-1.0672E-01	-3.0103E-01	-1.8398E-01	-3.2844E-01
1.9	-1.2111E-01	-2.6806E-01	-1.9058E-01	-2.8616E-01
2.0	-1.3191E-01	-2.3699E-01	-1.9410E-01	-2.4762E-01
2.1	-1.3956E-01	-2.0786E-01	-1.9501E-01	-2.1251E-01
2.2	-1.4448E-01	-1.8066E-01	-1.9370E-01	-1.8059E-01
2.3	-1.4704E-01	-1.5540E-01	-1.9053E-01	-1.5163E-01
2.4	-1.4757E-01	-1.3204E-01	-1.8582E-01	-1.2543E-01
2.5	-1.4637E-01	-1.1055E-01	-1.7984E-01	-1.0180E-01
2.6	-1.4370E-01	-9.0885E-02	-1.7283E-01	-8.0566E-02
2.7	-1.3982E-01	-7.2976E-02	-1.6502E-01	-6.1578E-02
2.8	-1.3493E-01	-5.6763E-02	-1.5659E-01	-4.4678E-02
2.9	-1.2924E-01	-4.2173E-02	-1.4771E-01	-2.9722E-02
3.0	-1.2291E-01	-2.9128E-02	-1.3853E-01	-1.6573E-02
3.1	-1.1611E-01	-1.7549E-02	-1.2918E-01	-5.0966E-03
3.2	-1.0897E-01	-7.3511E-03	-1.1979E-01	4.8326E-03
3.3	-1.0161E-01	1.5499E-03	-1.1043E-01	1.3337E-02
3.4	-9.4148E-02	9.2397E-03	-1.0121E-01	2.0532E-02
3.5	-8.6668E-02	1.5804E-02	-9.2187E-02	2.6530E-02
3.6	-7.9252E-02	2.1327E-02	-8.3428E-02	3.1436E-02
3.7	-7.1968E-02	2.5893E-02	-7.4981E-02	3.5353E-02
3.8	-6.4876E-02	2.9583E-02	-6.6889E-02	3.8377E-02
3.9	-5.8022E-02	3.2475E-02	-5.9182E-02	4.0598E-02
4.0	-5.1447E-02	3.4646E-02	-5.1884E-02	4.2103E-02
4.1	-4.5182E-02	3.6169E-02	-4.5014E-02	4.2973E-02
4.2	-3.9250E-02	3.7114E-02	-3.8583E-02	4.3284E-02
4.3	-3.3669E-02	3.7546E-02	-3.2595E-02	4.3108E-02
4.4	-2.8451E-02	3.7529E-02	-2.7052E-02	4.2510E-02
4.5	-2.3603E-02	3.7121E-02	-2.1951E-02	4.1551E-02
4.6	-1.9126E-02	3.6376E-02	-1.7285E-02	4.0290E-02
4.7	-1.5018E-02	3.5347E-02	-1.3042E-02	3.8777E-02
4.8	-1.1275E-02	3.4080E-02	-9.2113E-03	3.7060E-02
4.9	-7.8867E-03	3.2619E-02	-5.7765E-03	3.5184E-02
5.0	-4.8438E-03	3.1003E-02	-2.7210E-03	3.3187E-02

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	-4.8438E-03	3.1003E-02	-2.7210E-03	3.3187E-02
5.1	-2.1330E-03	2.9269E-02	-2.6478E-05	3.1105E-02
5.2	2.6021E-04	2.7449E-02	2.3265E-03	2.8969E-02
5.3	2.3516E-03	2.5574E-02	4.3581E-03	2.6808E-02
5.4	4.1579E-03	2.3668E-02	6.0890E-03	2.4646E-02
5.5	5.6968E-03	2.1756E-02	7.5402E-03	2.2505E-02
5.6	6.9860E-03	1.9858E-02	8.7326E-03	2.0404E-02
5.7	8.0439E-03	1.7990E-02	9.6871E-03	1.8359E-02
5.8	8.8886E-03	1.6169E-02	1.0424E-02	1.6383E-02
5.9	9.5381E-03	1.4407E-02	1.0964E-02	1.4486E-02
6.0	1.0010E-02	1.2714E-02	1.1325E-02	1.2679E-02
6.1	1.0322E-02	1.1100E-02	1.1527E-02	1.0967E-02
6.2	1.0490E-02	9.5698E-03	1.1587E-02	9.3563E-03
6.3	1.0531E-02	8.1295E-03	1.1523E-02	7.8498E-03
6.4	1.0459E-02	6.7824E-03	1.1350E-02	6.4497E-03
6.5	1.0290E-02	5.5306E-03	1.1085E-02	5.1568E-03
6.6	1.0037E-02	4.3750E-03	1.0740E-02	3.9705E-03
6.7	9.7125E-03	3.3154E-03	1.0329E-02	2.8896E-03
6.8	9.3291E-03	2.3508E-03	9.8642E-03	1.9119E-03
6.9	8.8977E-03	1.4793E-03	9.3572E-03	1.0342E-03
7.0	8.4284E-03	6.9821E-04	8.8179E-03	2.5319E-04
7.1	7.9306E-03	4.4444E-06	8.2557E-03	-4.3535E-04
7.2	7.4127E-03	-6.0567E-04	7.6790E-03	-1.0359E-03
7.3	6.8824E-03	-1.1362E-03	7.0952E-03	-1.5532E-03
7.4	6.3465E-03	-1.5914E-03	6.5110E-03	-1.9922E-03
7.5	5.8110E-03	-1.9759E-03	5.9323E-03	-2.3583E-03
7.6	5.2813E-03	-2.2943E-03	5.3640E-03	-2.6565E-03
7.7	4.7619E-03	-2.5515E-03	4.8107E-03	-2.8921E-03
7.8	4.2568E-03	-2.7523E-03	4.2759E-03	-3.0705E-03
7.9	3.7693E-03	-2.9014E-03	3.7628E-03	-3.1968E-03
8.0	3.3022E-03	-3.0036E-03	3.2737E-03	-3.2759E-03
8.1	2.8577E-03	-3.0635E-03	2.8106E-03	-3.3129E-03
8.2	2.4376E-03	-3.0855E-03	2.3750E-03	-3.3125E-03
8.3	2.0430E-03	-3.0740E-03	1.9678E-03	-3.2790E-03
8.4	1.6749E-03	-3.0330E-03	1.5897E-03	-3.2169E-03
8.5	1.3337E-03	-2.9666E-03	1.2409E-03	-3.1302E-03
8.6	1.0197E-03	-2.8785E-03	9.2141E-04	-3.0227E-03
8.7	7.3272E-04	-2.7720E-03	6.3080E-04	-2.8979E-03
8.8	4.7241E-04	-2.6504E-03	3.6849E-04	-2.7592E-03
8.9	2.3818E-04	-2.5168E-03	1.3371E-04	-2.6095E-03
9.0	2.9271E-05	-2.3739E-03	-7.4511E-05	-2.4517E-03
9.1	-1.5526E-04	-2.2241E-03	-2.5729E-04	-2.2883E-03
9.2	-3.1648E-04	-2.0699E-03	-4.1585E-04	-2.1216E-03
9.3	-4.5554E-04	-1.9133E-03	-5.5151E-04	-1.9535E-03
9.4	-5.7368E-04	-1.7560E-03	-6.6566E-04	-1.7860E-03
9.5	-6.7222E-04	-1.5999E-03	-7.5972E-04	-1.6206E-03
9.6	-7.5248E-04	-1.4461E-03	-8.3514E-04	-1.4586E-03
9.7	-8.1584E-04	-1.2961E-03	-8.9340E-04	-1.3014E-03
9.8	-8.6365E-04	-1.1508E-03	-9.3596E-04	-1.1498E-03
9.9	-8.9729E-04	-1.0111E-03	-9.6424E-04	-1.0047E-03
10.0	-9.1808E-04	-8.7778E-04	-9.7966E-04	-8.6668E-04

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-9.1808E-04	-8.7778E-04	-9.7966E-04	-8.6668E-04
10.1	-9.2732E-04	-7.5136E-04	-9.8358E-04	-7.3636E-04
10.2	-9.2630E-04	-6.3230E-04	-9.7733E-04	-6.1408E-04
10.3	-9.1621E-04	-5.2089E-04	-9.6216E-04	-5.0010E-04
10.4	-8.9823E-04	-4.1734E-04	-9.3927E-04	-3.9455E-04
10.5	-8.7346E-04	-3.2176E-04	-9.0979E-04	-2.9748E-04
10.6	-8.4294E-04	-2.3416E-04	-8.7480E-04	-2.0884E-04
10.7	-8.0764E-04	-1.5445E-04	-8.3527E-04	-1.2852E-04
10.8	-7.6846E-04	-8.2513E-05	-7.9214E-04	-5.6334E-05
10.9	-7.2626E-04	-1.8140E-05	-7.4624E-04	7.9729E-06
11.0	-6.8180E-04	3.8919E-05	-6.9835E-04	6.4690E-05
11.1	-6.3578E-04	8.8954E-05	-6.4917E-04	1.1415E-04
11.2	-5.8883E-04	1.3229E-04	-5.9934E-04	1.5671E-04
11.3	-5.4153E-04	1.6929E-04	-5.4943E-04	1.9277E-04
11.4	-4.9438E-04	2.0032E-04	-4.9992E-04	2.2274E-04
11.5	-4.4783E-04	2.2577E-04	-4.5126E-04	2.4702E-04
11.6	-4.0226E-04	2.4605E-04	-4.0383E-04	2.6605E-04
11.7	-3.5802E-04	2.6154E-04	-3.5794E-04	2.8025E-04
11.8	-3.1537E-04	2.7267E-04	-3.1387E-04	2.9005E-04
11.9	-2.7456E-04	2.7982E-04	-2.7184E-04	2.9586E-04
12.0	-2.3577E-04	2.8340E-04	-2.3201E-04	2.9810E-04
12.1	-1.9915E-04	2.8376E-04	-1.9453E-04	2.9714E-04
12.2	-1.6480E-04	2.8130E-04	-1.5949E-04	2.9338E-04
12.3	-1.3281E-04	2.7635E-04	-1.2694E-04	2.8718E-04
12.4	-1.0320E-04	2.6926E-04	-9.6918E-05	2.7888E-04
12.5	-7.6001E-05	2.6034E-04	-6.9421E-05	2.6881E-04
12.6	-5.1192E-05	2.4989E-04	-4.4425E-05	2.5726E-04
12.7	-2.8743E-05	2.3820E-04	-2.1885E-05	2.4453E-04
12.8	-8.5992E-06	2.2551E-04	-1.7351E-06	2.3088E-04
12.9	9.3072E-06	2.1207E-04	1.6104E-05	2.1654E-04
13.0	2.5059E-05	1.9810E-04	3.1725E-05	2.0174E-04
13.1	3.8752E-05	1.8380E-04	4.5232E-05	1.8667E-04
13.2	5.0489E-05	1.6933E-04	5.6739E-05	1.7151E-04
13.3	6.0380E-05	1.5488E-04	6.6363E-05	1.5642E-04
13.4	6.8542E-05	1.4056E-04	7.4229E-05	1.4155E-04
13.5	7.5095E-05	1.2651E-04	8.0463E-05	1.2700E-04
13.6	8.0158E-05	1.1284E-04	8.5192E-05	1.1288E-04
13.7	8.3855E-05	9.9637E-05	8.8544E-05	9.9285E-05
13.8	8.6307E-05	8.6970E-05	9.0645E-05	8.6284E-05
13.9	8.7632E-05	7.4906E-05	9.1619E-05	7.3935E-05
14.0	8.7948E-05	6.3493E-05	9.1586E-05	6.2283E-05
14.1	8.7367E-05	5.2767E-05	9.0662E-05	5.1362E-05
14.2	8.5998E-05	4.2755E-05	8.8959E-05	4.1194E-05
14.3	8.3945E-05	3.3471E-05	8.6582E-05	3.1791E-05
14.4	8.1306E-05	2.4924E-05	8.3634E-05	2.3157E-05
14.5	7.8174E-05	1.7111E-05	8.0208E-05	1.5287E-05
14.6	7.4637E-05	1.0026E-05	7.6392E-05	8.1709E-06
14.7	7.0776E-05	3.6532E-06	7.2268E-05	1.7907E-06
14.8	6.6664E-05	-2.0265E-06	6.7912E-05	-3.8760E-06
14.9	-6.2372E-05	-7.0370E-06	6.3393E-05	-8.8558E-06
15.0	5.7961E-05	-1.1406E-05	5.8773E-05	-1.3179E-05

R	RE(KO)	IM(KO)	RE(K1)	IM(K1)
15.0	5.7961E-05	-1.1406E-05	5.8773E-05	-1.3179E-05
15.1	5.3489E-05	-1.5165E-05	5.4109E-05	-1.6879E-05
15.2	4.9005E-05	-1.8346E-05	4.9452E-05	-1.9991E-05
15.3	4.4555E-05	-2.0985E-05	4.4845E-05	-2.2552E-05
15.4	4.0178E-05	-2.3118E-05	4.0329E-05	-2.4601E-05
15.5	3.5909E-05	-2.4782E-05	3.5935E-05	-2.6176E-05
15.6	3.1776E-05	-2.6015E-05	3.1694E-05	-2.7316E-05
15.7	2.7805E-05	-2.6854E-05	2.7629E-05	-2.8060E-05
15.8	2.4016E-05	-2.7335E-05	2.3759E-05	-2.8446E-05
15.9	2.0424E-05	-2.7495E-05	2.0099E-05	-2.8511E-05
16.0	1.7042E-05	-2.7368E-05	1.6662E-05	-2.8291E-05
16.1	1.3880E-05	-2.6990E-05	1.3454E-05	-2.7821E-05
16.2	1.0942E-05	-2.6392E-05	1.0482E-05	-2.7134E-05
16.3	8.2326E-06	-2.5605E-05	7.7463E-06	-2.6262E-05
16.4	5.7510E-06	-2.4658E-05	5.2471E-06	-2.5233E-05
16.5	3.4957E-06	-2.3578E-05	2.9816E-06	-2.4077E-05
16.6	1.4629E-06	-2.2392E-05	9.4521E-07	-2.2818E-05
16.7	-3.5307E-07	-2.1123E-05	-8.6852E-07	-2.1480E-05
16.8	-1.9592E-06	-1.9793E-05	-2.4673E-06	-2.0086E-05
16.9	-3.3637E-06	-1.8421E-05	-3.8602E-06	-1.8656E-05
17.0	-4.5760E-06	-1.7026E-05	-5.0572E-06	-1.7207E-05
17.1	-5.6061E-06	-1.5624E-05	-6.0689E-06	-1.5756E-05
17.2	-6.4647E-06	-1.4229E-05	-6.9066E-06	-1.4316E-05
17.3	-7.1630E-06	-1.2854E-05	-7.5820E-06	-1.2902E-05
17.4	-7.7125E-06	-1.1510E-05	-8.1071E-06	-1.1523E-05
17.5	-8.1247E-06	-1.0207E-05	-8.4938E-06	-1.0188E-05
17.6	-8.4111E-06	-8.9523E-06	-8.7542E-06	-8.9066E-06
17.7	-8.5834E-06	-7.7529E-06	-8.9000E-06	-7.6840E-06
17.8	-8.6528E-06	-6.6143E-06	-8.9429E-06	-6.5257E-06
17.9	-8.6302E-06	-5.5404E-06	-8.8942E-06	-5.4355E-06
18.0	-8.5264E-06	-4.5344E-06	-8.7648E-06	-4.4162E-06
18.1	-8.3516E-06	-3.5984E-06	-8.5650E-06	-3.4698E-06
18.2	-8.1155E-06	-2.7334E-06	-8.3048E-06	-2.5970E-06
18.3	-7.8274E-06	-1.9399E-06	-7.9936E-06	-1.7980E-06
18.4	-7.4959E-06	-1.2173E-06	-7.6402E-06	-1.0721E-06
18.5	-7.1292E-06	-5.6475E-07	-7.2528E-06	-4.1813E-07
18.6	-6.7348E-06	1.9479E-08	-6.8389E-06	1.6584E-07
18.7	-6.3197E-06	5.3742E-07	-6.4057E-06	6.8205E-07
18.8	-5.8903E-06	9.9157E-07	-5.9594E-06	1.1332E-06
18.9	-5.4522E-06	1.3848E-06	-5.5060E-06	1.5223E-06
19.0	-5.0109E-06	1.7201E-06	-5.0505E-06	1.8526E-06
19.1	-4.5708E-06	2.0008E-06	-4.5976E-06	2.1276E-06
19.2	-4.1362E-06	2.2304E-06	-4.1515E-06	2.3509E-06
19.3	-3.7105E-06	2.4124E-06	-3.7156E-06	2.5261E-06
19.4	-3.2970E-06	2.5505E-06	-3.2930E-06	2.6571E-06
19.5	-2.8983E-06	2.6483E-06	-2.8864E-06	2.7475E-06
19.6	-2.5165E-06	2.7094E-06	-2.4977E-06	2.8012E-06
19.7	-2.1534E-06	2.7374E-06	-2.1288E-06	2.8216E-06
19.8	-1.8104E-06	2.7357E-06	-1.7810E-06	2.8125E-06
19.9	-1.4886E-06	2.7076E-06	-1.4552E-06	2.7771E-06
20.0	-1.1887E-06	2.6566E-06	-1.1522E-06	2.7189E-06

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-1.0472E+00	INFINITY	- INFINITY
0.1	2.4165E+00	-1.0385E+00	4.8819E+00	-8.7605E+00
0.2	1.7207E+00	-1.0184E+00	2.2995E+00	-4.4710E+00
0.3	1.3139E+00	-9.9046E-01	1.3985E+00	-3.0464E+00
0.4	1.0270E+00	-9.5652E-01	9.2451E-01	-2.3298E+00
0.5	8.0723E-01	-9.1800E-01	6.2570E-01	-1.8925E+00
0.6	6.3123E-01	-8.7597E-01	4.1753E-01	-1.5927E+00
0.7	4.8652E-01	-8.3133E-01	2.6351E-01	-1.3701E+00
0.8	3.6561E-01	-7.8483E-01	1.4517E-01	-1.1954E+00
0.9	2.6364E-01	-7.3714E-01	5.2088E-02	-1.0522E+00
1.0	1.7721E-01	-6.8881E-01	-2.2125E-02	-9.3107E-01
1.1	1.0387E-01	-6.4035E-01	-8.1652E-02	-8.2621E-01
1.2	4.1722E-02	-5.9218E-01	-1.2939E-01	-7.3378E-01
1.3	-1.0729E-02	-5.4468E-01	-1.6743E-01	-6.5123E-01
1.4	-5.4699E-02	-4.9816E-01	-1.9736E-01	-5.7678E-01
1.5	-9.1207E-02	-4.5290E-01	-2.2042E-01	-5.0919E-01
1.6	-1.2112E-01	-4.0914E-01	-2.3759E-01	-4.4754E-01
1.7	-1.4520E-01	-3.6705E-01	-2.4972E-01	-3.9116E-01
1.8	-1.6411E-01	-3.2681E-01	-2.5748E-01	-3.3951E-01
1.9	-1.7844E-01	-2.8854E-01	-2.6149E-01	-2.9220E-01
2.0	-1.8874E-01	-2.5233E-01	-2.6225E-01	-2.4889E-01
2.1	-1.9548E-01	-2.1825E-01	-2.6024E-01	-2.0931E-01
2.2	-1.9911E-01	-1.8633E-01	-2.5585E-01	-1.7320E-01
2.3	-2.0002E-01	-1.5661E-01	-2.4946E-01	-1.4037E-01
2.4	-1.9859E-01	-1.2909E-01	-2.4139E-01	-1.1063E-01
2.5	-1.9515E-01	-1.0373E-01	-2.3194E-01	-8.3792E-02
2.6	-1.9001E-01	-8.0521E-02	-2.2137E-01	-5.9697E-02
2.7	-1.8345E-01	-5.9403E-02	-2.0993E-01	-3.8185E-02
2.8	-1.7571E-01	-4.0320E-02	-1.9783E-01	-1.9104E-02
2.9	-1.6705E-01	-2.3203E-02	-1.8527E-01	-2.3052E-03
3.0	-1.5765E-01	-7.9727E-03	-1.7242E-01	1.2356E-02
3.1	-1.4772E-01	5.4554E-03	-1.5944E-01	2.5021E-02
3.2	-1.3743E-01	1.7172E-02	-1.4646E-01	3.5828E-02
3.3	-1.2692E-01	2.7273E-02	-1.3361E-01	4.4912E-02
3.4	-1.1633E-01	3.5856E-02	-1.2098E-01	5.2405E-02
3.5	-1.0578E-01	4.3021E-02	-1.0868E-01	5.8435E-02
3.6	-9.5374E-02	4.8869E-02	-9.6766E-02	6.3127E-02
3.7	-8.5198E-02	5.3502E-02	-8.5317E-02	6.6600E-02
3.8	-7.5330E-02	5.7020E-02	-7.4383E-02	6.8971E-02
3.9	-6.5833E-02	5.9521E-02	-6.4006E-02	7.0352E-02
4.0	-5.6760E-02	6.1102E-02	-5.4217E-02	7.0849E-02
4.1	-4.8152E-02	6.1857E-02	-4.5042E-02	7.0563E-02
4.2	-4.0043E-02	6.1877E-02	-3.6495E-02	6.9592E-02
4.3	-3.2455E-02	6.1248E-02	-2.8584E-02	6.8027E-02
4.4	-2.5406E-02	6.0052E-02	-2.1311E-02	6.5953E-02
4.5	-1.8903E-02	5.8369E-02	-1.4671E-02	6.3450E-02
4.6	-1.2949E-02	5.6272E-02	-8.6548E-03	6.0594E-02
4.7	-7.5402E-03	5.3831E-02	-3.2479E-03	5.7453E-02
4.8	-2.6692E-03	5.1110E-02	1.5679E-03	5.4092E-02
4.9	1.6769E-03	4.8169E-02	5.8139E-03	5.0569E-02
5.0	5.5142E-03	4.5064E-02	9.5146E-03	4.6938E-02

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	5.5142E-03	4.5064E-02	9.5146E-03	4.6938E-02
5.1	8.8622E-03	4.1843E-02	1.2696E-02	4.3246E-02
5.2	1.1743E-02	3.8554E-02	1.5388E-02	3.9536E-02
5.3	1.4180E-02	3.5238E-02	1.7618E-02	3.5848E-02
5.4	1.6199E-02	3.1930E-02	1.9419E-02	3.2214E-02
5.5	1.7826E-02	2.8663E-02	2.0820E-02	2.8665E-02
5.6	1.9091E-02	2.5466E-02	2.1854E-02	2.5226E-02
5.7	2.0020E-02	2.2363E-02	2.2552E-02	2.1917E-02
5.8	2.0641E-02	1.9374E-02	2.2944E-02	1.8758E-02
5.9	2.0984E-02	1.6518E-02	2.3062E-02	1.5762E-02
6.0	2.1074E-02	1.3808E-02	2.2935E-02	1.2941E-02
6.1	2.0940E-02	1.1255E-02	2.2591E-02	1.0302E-02
6.2	2.0608E-02	8.8670E-03	2.2058E-02	7.8521E-03
6.3	2.0103E-02	6.6504E-03	2.1363E-02	5.5935E-03
6.4	1.9449E-02	4.6082E-03	2.0530E-02	3.5275E-03
6.5	1.8668E-02	2.7419E-03	1.9582E-02	1.6532E-03
6.6	1.7784E-02	1.0507E-03	1.8542E-02	-3.2119E-05
6.7	1.6815E-02	-4.6759E-04	1.7431E-02	-1.5327E-03
6.8	1.5781E-02	-1.8166E-03	1.6266E-02	-2.8541E-03
6.9	1.4700E-02	-3.0013E-03	1.5065E-02	-4.0029E-03
7.0	1.3586E-02	-4.0278E-03	1.3844E-02	-4.9866E-03
7.1	1.2456E-02	-4.9030E-03	1.2618E-02	-5.8137E-03
7.2	1.1322E-02	-5.6345E-03	1.1398E-02	-6.4931E-03
7.3	1.0195E-02	-6.2307E-03	1.0196E-02	-7.0341E-03
7.4	9.0871E-03	-6.7002E-03	9.0229E-03	-7.4465E-03
7.5	8.0061E-03	-7.0519E-03	7.8860E-03	-7.7401E-03
7.6	6.9603E-03	-7.2951E-03	6.7928E-03	-7.9249E-03
7.7	5.9562E-03	-7.4390E-03	5.7494E-03	-8.0109E-03
7.8	4.9995E-03	-7.4929E-03	4.7608E-03	-8.0078E-03
7.9	4.0945E-03	-7.4659E-03	3.8307E-03	-7.9254E-03
8.0	3.2447E-03	-7.3668E-03	2.9620E-03	-7.7729E-03
8.1	2.4527E-03	-7.2045E-03	2.1567E-03	-7.5593E-03
8.2	1.7201E-03	-6.9872E-03	1.4159E-03	-7.2934E-03
8.3	1.0480E-03	-6.7230E-03	7.3998E-04	-6.9833E-03
8.4	4.3657E-04	-6.4195E-03	1.2863E-04	-6.6369E-03
8.5	-1.1460E-04	-6.0839E-03	-4.1901E-04	-6.2613E-03
8.6	-6.0641E-04	-5.7230E-03	-9.0436E-04	-5.8635E-03
8.7	-1.0403E-03	-5.3429E-03	-1.3293E-03	-5.4496E-03
8.8	-1.4181E-03	-4.9496E-03	-1.6960E-03	-5.0256E-03
8.9	-1.7419E-03	-4.5483E-03	-2.0071E-03	-4.5965E-03
9.0	-2.0144E-03	-4.1438E-03	-2.2655E-03	-4.1672E-03
9.1	-2.2381E-03	-3.7405E-03	-2.4741E-03	-3.7420E-03
9.2	-2.4161E-03	-3.3423E-03	-2.6363E-03	-3.3245E-03
9.3	-2.5513E-03	-2.9526E-03	-2.7552E-03	-2.9180E-03
9.4	-2.6470E-03	-2.5742E-03	-2.8344E-03	-2.5254E-03
9.5	-2.7064E-03	-2.2099E-03	-2.8772E-03	-2.1491E-03
9.6	-2.7326E-03	-1.8616E-03	-2.8871E-03	-1.7910E-03
9.7	-2.7290E-03	-1.5312E-03	-2.8674E-03	-1.4528E-03
9.8	-2.6986E-03	-1.2201E-03	-2.8214E-03	-1.1356E-03
9.9	-2.6445E-03	-9.2927E-04	-2.7523E-03	-8.4044E-04
10.0	-2.5699E-03	-6.5953E-04	-2.6633E-03	-5.6782E-04

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-2.5699E-03	-6.5953E-04	-2.6633E-03	-5.6782E-04
10.1	-2.4775E-03	-4.1131E-04	-2.5573E-03	-3.1807E-04
10.2	-2.3701E-03	-1.8482E-04	-2.4371E-03	-9.1256E-05
10.3	-2.2504E-03	1.9977E-05	-2.3053E-03	1.1281E-04
10.4	-2.1209E-03	2.0331E-04	-2.1646E-03	2.9450E-04
10.5	-1.9837E-03	3.6562E-04	-2.0172E-03	4.5437E-04
10.6	-1.8411E-03	5.0748E-04	-1.8652E-03	5.9314E-04
10.7	-1.6951E-03	6.2962E-04	-1.7106E-03	7.1163E-04
10.8	-1.5474E-03	7.3289E-04	-1.5552E-03	8.1080E-04
10.9	-1.3997E-03	8.1823E-04	-1.4006E-03	8.9170E-04
11.0	-1.2533E-03	8.8666E-04	-1.2482E-03	9.5543E-04
11.1	-1.1097E-03	9.3926E-04	-1.0994E-03	1.0031E-03
11.2	-9.7001E-04	9.7715E-04	-9.5512E-04	1.0360E-03
11.3	-8.3509E-04	1.0015E-03	-8.1637E-04	1.0553E-03
11.4	-7.0583E-04	1.0134E-03	-6.8394E-04	1.0623E-03
11.5	-5.8291E-04	1.0141E-03	-5.5845E-04	1.0580E-03
11.6	-4.6689E-04	1.0047E-03	-4.4043E-04	1.0438E-03
11.7	-3.5820E-04	9.8638E-04	-3.3026E-04	1.0208E-03
11.8	-2.5714E-04	9.6019E-04	-2.2819E-04	9.9014E-04
11.9	-1.6394E-04	9.2723E-04	-1.3440E-04	9.5290E-04
12.0	-7.8678E-05	8.8852E-04	-4.8946E-05	9.1013E-04
12.1	-1.3926E-06	8.4501E-04	2.8199E-05	8.6283E-04
12.2	6.7981E-05	7.9765E-04	9.7134E-05	8.1191E-04
12.3	1.2958E-04	7.4728E-04	1.5803E-04	7.5826E-04
12.4	1.8359E-04	6.9471E-04	2.1113E-04	7.0267E-04
12.5	2.3026E-04	6.4068E-04	2.5670E-04	6.4589E-04
12.6	2.6989E-04	5.8587E-04	2.9508E-04	5.8860E-04
12.7	3.0282E-04	5.3091E-04	3.2663E-04	5.3141E-04
12.8	3.2940E-04	4.7633E-04	3.5174E-04	4.7486E-04
12.9	3.5003E-04	4.2265E-04	3.7084E-04	4.1945E-04
13.0	3.6511E-04	3.7029E-04	3.8434E-04	3.6560E-04
13.1	3.7506E-04	3.1964E-04	3.9270E-04	3.1367E-04
13.2	3.8031E-04	2.7101E-04	3.9635E-04	2.6398E-04
13.3	3.8129E-04	2.2467E-04	3.9575E-04	2.1678E-04
13.4	3.7842E-04	1.8085E-04	3.9133E-04	1.7227E-04
13.5	3.7213E-04	1.3971E-04	3.8353E-04	1.3062E-04
13.6	3.6283E-04	1.0139E-04	3.7277E-04	9.1943E-05
13.7	3.5091E-04	6.5974E-05	3.5946E-04	5.6307E-05
13.8	3.3676E-04	3.3511E-05	3.4399E-04	2.3751E-05
13.9	3.2074E-04	4.0185E-06	3.2673E-04	-5.7214E-06
14.0	3.0321E-04	-2.2517E-05	3.0802E-04	-3.2137E-05
14.1	2.8448E-04	-4.6137E-05	2.8821E-04	-5.5550E-05
14.2	2.6486E-04	-6.6907E-05	2.6759E-04	-7.6038E-05
14.3	2.4464E-04	-8.4914E-05	2.4646E-04	-9.3700E-05
14.4	2.2407E-04	-1.0026E-04	2.2506E-04	-1.0865E-04
14.5	2.0339E-04	-1.1307E-04	2.0363E-04	-1.2102E-04
14.6	1.8281E-04	-1.2348E-04	1.8239E-04	-1.3095E-04
14.7	1.6253E-04	-1.3162E-04	1.6152E-04	-1.3860E-04
14.8	1.4271E-04	-1.3764E-04	1.4120E-04	-1.4411E-04
14.9	1.2350E-04	-1.4171E-04	1.2155E-04	-1.4766E-04
15.0	1.0502E-04	-1.4399E-04	1.0271E-04	-1.4940E-04

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	1.0502E-04	-1.4399E-04	1.0271E-04	-1.4940E-04
15.1	8.7381E-05	-1.4462E-04	8.4769E-05	-1.4951E-04
15.2	7.0671E-05	-1.4377E-04	6.7822E-05	-1.4815E-04
15.3	5.4959E-05	-1.4160E-04	5.1927E-05	-1.4548E-04
15.4	4.0296E-05	-1.3827E-04	3.7134E-05	-1.4166E-04
15.5	2.6719E-05	-1.3392E-04	2.3475E-05	-1.3684E-04
15.6	1.4252E-05	-1.2870E-04	1.0968E-05	-1.3118E-04
15.7	2.9030E-06	-1.2274E-04	-3.8188E-07	-1.2480E-04
15.8	-7.3295E-06	-1.1619E-04	-1.0581E-05	-1.1786E-04
15.9	-1.6459E-05	-1.0917E-04	-1.9647E-05	-1.1046E-04
16.0	-2.4507E-05	-1.0178E-04	-2.7607E-05	-1.0274E-04
16.1	-3.1504E-05	-9.4145E-05	-3.4493E-05	-9.4792E-05
16.2	-3.7490E-05	-8.6358E-05	-4.0349E-05	-8.6723E-05
16.3	-4.2506E-05	-7.8513E-05	-4.5220E-05	-7.8621E-05
16.4	-4.6602E-05	-7.0690E-05	-4.9160E-05	-7.0570E-05
16.5	-4.9831E-05	-6.2964E-05	-5.2224E-05	-6.2643E-05
16.6	-5.2249E-05	-5.5401E-05	-5.4470E-05	-5.4904E-05
16.7	-5.3913E-05	-4.8057E-05	-5.5959E-05	-4.7409E-05
16.8	-5.4884E-05	-4.0983E-05	-5.6753E-05	-4.0207E-05
16.9	-5.5222E-05	-3.4219E-05	-5.6914E-05	-3.3338E-05
17.0	-5.4987E-05	-2.7801E-05	-5.6504E-05	-2.6836E-05
17.1	-5.4240E-05	-2.1757E-05	-5.5586E-05	-2.0726E-05
17.2	-5.3038E-05	-1.6107E-05	-5.4219E-05	-1.5028E-05
17.3	-5.1440E-05	-1.0867E-05	-5.2461E-05	-9.7575E-06
17.4	-4.9500E-05	-6.0474E-06	-5.0369E-05	-4.9211E-06
17.5	-4.7273E-05	-1.6519E-06	-4.7997E-05	-5.2274E-07
17.6	-4.4807E-05	2.3189E-06	-4.5396E-05	3.4391E-06
17.7	-4.2153E-05	5.8690E-06	-4.2614E-05	6.9696E-06
17.8	-3.9353E-05	9.0060E-06	-3.9697E-05	1.0078E-05
17.9	-3.6451E-05	1.1741E-05	-3.6686E-05	1.2777E-05
18.0	-3.3484E-05	1.4088E-05	-3.3621E-05	1.5080E-05
18.1	-3.0488E-05	1.6062E-05	-3.0535E-05	1.7006E-05
18.2	-2.7495E-05	1.7682E-05	-2.7462E-05	1.8573E-05
18.3	-2.4534E-05	1.8968E-05	-2.4431E-05	1.9803E-05
18.4	-2.1630E-05	1.9941E-05	-2.1465E-05	2.0717E-05
18.5	-1.8806E-05	2.0622E-05	-1.8587E-05	2.1338E-05
18.6	-1.6082E-05	2.1034E-05	-1.5817E-05	2.1689E-05
18.7	-1.3473E-05	2.1200E-05	-1.3171E-05	2.1795E-05
18.8	-1.0994E-05	2.1143E-05	-1.0661E-05	2.1678E-05
18.9	-8.6553E-06	2.0886E-05	-8.2989E-06	2.1362E-05
19.0	-6.4663E-06	2.0452E-05	-6.0924E-06	2.0870E-05
19.1	-4.4331E-06	1.9862E-05	-4.0473E-06	2.0224E-05
19.2	-2.5597E-06	1.9137E-05	-2.1674E-06	1.9447E-05
19.3	-8.4848E-07	1.8299E-05	-4.5434E-07	1.8558E-05
19.4	7.0017E-07	1.7367E-05	1.0920E-06	1.7578E-05
19.5	2.0875E-06	1.6358E-05	2.4732E-06	1.6525E-05
19.6	3.3161E-06	1.5291E-05	3.6925E-06	1.5416E-05
19.7	4.3900E-06	1.4182E-05	4.7541E-06	1.4269E-05
19.8	5.3141E-06	1.3046E-05	5.6636E-06	1.3098E-05
19.9	6.0943E-06	1.1896E-05	6.4274E-06	1.1916E-05
20.0	6.7376E-06	1.0745E-05	7.0525E-06	1.0737E-05

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-1.1345E+00	INFINITY	- INFINITY
0.1	2.4152E+00	-1.1261E+00	4.1133E+00	-9.1714E+00
0.2	1.7165E+00	-1.1064E+00	1.9178E+00	-4.6854E+00
0.3	1.3057E+00	-1.0784E+00	1.1438E+00	-3.1972E+00
0.4	1.0141E+00	-1.0439E+00	7.3135E-01	-2.4496E+00
0.5	7.8925E-01	-1.0043E+00	4.6760E-01	-1.9936E+00
0.6	6.0791E-01	-9.6052E-01	2.8124E-01	-1.6808E+00
0.7	4.5776E-01	-9.1348E-01	1.4149E-01	-1.4484E+00
0.8	3.3149E-01	-8.6398E-01	3.2816E-02	-1.2654E+00
0.9	2.2432E-01	-8.1269E-01	-5.3548E-02	-1.1150E+00
1.0	1.3299E-01	-7.6022E-01	-1.2297E-01	-9.8712E-01
1.1	5.5105E-02	-7.0714E-01	-1.7895E-01	-8.7580E-01
1.2	-1.1163E-02	-6.5392E-01	-2.2395E-01	-7.7706E-01
1.3	-6.7247E-02	-6.0100E-01	-2.5972E-01	-6.8828E-01
1.4	-1.1433E-01	-5.4878E-01	-2.8764E-01	-6.0769E-01
1.5	-1.5339E-01	-4.9761E-01	-3.0876E-01	-5.3401E-01
1.6	-1.8529E-01	-4.4778E-01	-3.2397E-01	-4.6637E-01
1.7	-2.1078E-01	-3.9955E-01	-3.3400E-01	-4.0410E-01
1.8	-2.3052E-01	-3.5315E-01	-3.3948E-01	-3.4671E-01
1.9	-2.4512E-01	-3.0876E-01	-3.4098E-01	-2.9383E-01
2.0	-2.5513E-01	-2.6655E-01	-3.3899E-01	-2.4516E-01
2.1	-2.6107E-01	-2.2663E-01	-3.3397E-01	-2.0046E-01
2.2	-2.6339E-01	-1.8910E-01	-3.2633E-01	-1.5953E-01
2.3	-2.6254E-01	-1.5401E-01	-3.1644E-01	-1.2218E-01
2.4	-2.5892E-01	-1.2142E-01	-3.0465E-01	-8.8247E-02
2.5	-2.5291E-01	-9.1334E-02	-2.9128E-01	-5.7580E-02
2.6	-2.4485E-01	-6.3750E-02	-2.7662E-01	-3.0030E-02
2.7	-2.3507E-01	-3.8644E-02	-2.6095E-01	-5.4514E-03
2.8	-2.2388E-01	-1.5973E-02	-2.4451E-01	1.6298E-02
2.9	-2.1154E-01	4.3196E-03	-2.2753E-01	3.5363E-02
3.0	-1.9832E-01	2.2306E-02	-2.1022E-01	5.1887E-02
3.1	-1.8444E-01	3.8068E-02	-1.9277E-01	6.6014E-02
3.2	-1.7013E-01	5.1700E-02	-1.7535E-01	7.7891E-02
3.3	-1.5556E-01	6.3303E-02	-1.5811E-01	8.7662E-02
3.4	-1.4093E-01	7.2986E-02	-1.4118E-01	9.5474E-02
3.5	-1.2637E-01	8.0863E-02	-1.2470E-01	1.0147E-01
3.6	-1.1204E-01	8.7052E-02	-1.0875E-01	1.0579E-01
3.7	-9.8043E-02	9.1673E-02	-9.3433E-02	1.0859E-01
3.8	-8.4490E-02	9.4850E-02	-7.8818E-02	1.0999E-01
3.9	-7.1470E-02	9.6704E-02	-6.4968E-02	1.1014E-01
4.0	-5.9057E-02	9.7357E-02	-5.1931E-02	1.0917E-01
4.1	-4.7310E-02	9.6929E-02	-3.9743E-02	1.0720E-01
4.2	-3.6280E-02	9.5538E-02	-2.8431E-02	1.0436E-01
4.3	-2.6000E-02	9.3299E-02	-1.8009E-02	1.0077E-01
4.4	-1.6498E-02	9.0321E-02	-8.4848E-03	9.6540E-02
4.5	-7.7877E-03	8.6711E-02	1.4463E-04	9.1775E-02
4.6	1.2437E-04	8.2571E-02	7.8889E-03	8.6576E-02
4.7	7.2404E-03	7.7995E-02	1.4765E-02	8.1039E-02
4.8	1.3570E-02	7.3074E-02	2.0795E-02	7.5251E-02
4.9	1.9129E-02	6.7892E-02	2.6007E-02	6.9293E-02
5.0	2.3940E-02	6.2528E-02	3.0434E-02	6.3241E-02

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	2.3940E-02	6.2528E-02	3.0434E-02	6.3241E-02
5.1	2.8030E-02	5.7053E-02	3.4113E-02	5.7161E-02
5.2	3.1429E-02	5.1534E-02	3.7082E-02	5.1115E-02
5.3	3.4173E-02	4.6030E-02	3.9385E-02	4.5159E-02
5.4	3.6299E-02	4.0595E-02	4.1066E-02	3.9342E-02
5.5	3.7846E-02	3.5276E-02	4.2170E-02	3.3705E-02
5.6	3.8858E-02	3.0115E-02	4.2743E-02	2.8286E-02
5.7	3.9375E-02	2.5148E-02	4.2833E-02	2.3115E-02
5.8	3.9442E-02	2.0407E-02	4.2486E-02	1.8219E-02
5.9	3.9101E-02	1.5915E-02	4.1749E-02	1.3619E-02
6.0	3.8396E-02	1.1694E-02	4.0666E-02	9.3296E-03
6.1	3.7369E-02	7.7597E-03	3.9282E-02	5.3630E-03
6.2	3.6061E-02	4.1235E-03	3.7640E-02	1.7262E-03
6.3	3.4513E-02	7.9300E-04	3.5781E-02	-1.5772E-03
6.4	3.2764E-02	-2.2281E-03	3.3743E-02	-4.5473E-03
6.5	3.0849E-02	-4.9394E-03	3.1565E-02	-7.1871E-03
6.6	2.8804E-02	-7.3435E-03	2.9281E-02	-9.5028E-03
6.7	2.6662E-02	-9.4459E-03	2.6922E-02	-1.1503E-02
6.8	2.4453E-02	-1.1254E-02	2.4521E-02	-1.3198E-02
6.9	2.2206E-02	-1.2779E-02	2.2103E-02	-1.4600E-02
7.0	1.9947E-02	-1.4031E-02	1.9695E-02	-1.5725E-02
7.1	1.7699E-02	-1.5024E-02	1.7318E-02	-1.6586E-02
7.2	1.5483E-02	-1.5773E-02	1.4994E-02	-1.7201E-02
7.3	1.3320E-02	-1.6293E-02	1.2740E-02	-1.7587E-02
7.4	1.1224E-02	-1.6601E-02	1.0571E-02	-1.7763E-02
7.5	9.2108E-03	-1.6714E-02	8.5001E-03	-1.7745E-02
7.6	7.2927E-03	-1.6648E-02	6.5391E-03	-1.7552E-02
7.7	5.4796E-03	-1.6421E-02	4.6966E-03	-1.7204E-02
7.8	3.7798E-03	-1.6051E-02	2.9794E-03	-1.6717E-02
7.9	2.1995E-03	-1.5554E-02	1.3927E-03	-1.6109E-02
8.0	7.4331E-04	-1.4947E-02	-6.0242E-05	-1.5399E-02
8.1	-5.8587E-04	-1.4247E-02	-1.3777E-03	-1.4601E-02
8.2	-1.7866E-03	-1.3469E-02	-2.5593E-03	-1.3733E-02
8.3	-2.8590E-03	-1.2627E-02	-3.6061E-03	-1.2809E-02
8.4	-3.8042E-03	-1.1737E-02	-4.5205E-03	-1.1843E-02
8.5	-4.6246E-03	-1.0811E-02	-5.3056E-03	-1.0849E-02
8.6	-5.3236E-03	-9.8621E-03	-5.9659E-03	-9.8398E-03
8.7	-5.9055E-03	-8.9016E-03	-6.5064E-03	-8.8257E-03
8.8	-6.3752E-03	-7.9401E-03	-6.9327E-03	-7.8174E-03
8.9	-6.7385E-03	-6.9872E-03	-7.2514E-03	-6.8243E-03
9.0	-7.0014E-03	-6.0516E-03	-7.4691E-03	-5.8546E-03
9.1	-7.1706E-03	-5.1409E-03	-7.5930E-03	-4.9159E-03
9.2	-7.2530E-03	-4.2619E-03	-7.6304E-03	-4.0143E-03
9.3	-7.2557E-03	-3.4203E-03	-7.5891E-03	-3.1553E-03
9.4	-7.1859E-03	-2.6211E-03	-7.4765E-03	-2.3435E-03
9.5	-7.0510E-03	-1.8682E-03	-7.3003E-03	-1.5825E-03
9.6	-6.8581E-03	-1.1650E-03	-7.0679E-03	-8.7501E-04
9.7	-6.6145E-03	-5.1380E-04	-6.7869E-03	-2.2320E-04
9.8	-6.3272E-03	8.3636E-05	-6.4644E-03	3.7166E-04
9.9	-6.0030E-03	6.2630E-04	-6.1073E-03	9.0892E-04
10.0	-5.6484E-03	1.1138E-03	-5.7223E-03	1.3886E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-5.6484E-03	1.1138E-03	-5.7223E-03	1.3886E-03
10.1	-5.2697E-03	1.5463E-03	-5.3156E-03	1.8111E-03
10.2	-4.8727E-03	1.9245E-03	-4.8932E-03	2.1776E-03
10.3	-4.4632E-03	2.2497E-03	-4.4607E-03	2.4896E-03
10.4	-4.0461E-03	2.5233E-03	-4.0232E-03	2.7488E-03
10.5	-3.6264E-03	2.7473E-03	-3.5855E-03	2.9576E-03
10.6	-3.2083E-03	2.9240E-03	-3.1518E-03	3.1185E-03
10.7	-2.7960E-03	3.0559E-03	-2.7261E-03	3.2341E-03
10.8	-2.3928E-03	3.1457E-03	-2.3117E-03	3.3075E-03
10.9	-2.0020E-03	3.1963E-03	-1.9118E-03	3.3418E-03
11.0	-1.6263E-03	3.2108E-03	-1.5288E-03	3.3400E-03
11.1	-1.2681E-03	3.1922E-03	-1.1652E-03	3.3055E-03
11.2	-9.2929E-04	3.1436E-03	-8.2258E-04	3.2416E-03
11.3	-6.1148E-04	3.0683E-03	-5.0254E-04	3.1515E-03
11.4	-3.1593E-04	2.9694E-03	-2.0615E-04	3.0384E-03
11.5	-4.3567E-05	2.8499E-03	6.5813E-05	2.9055E-03
11.6	2.0500E-04	2.7129E-03	3.1286E-04	2.7559E-03
11.7	4.2946E-04	2.5612E-03	5.3481E-04	2.5925E-03
11.8	6.2974E-04	2.3977E-03	7.3174E-04	2.4181E-03
11.9	8.0602E-04	2.2251E-03	9.0394E-04	2.2355E-03
12.0	9.5872E-04	2.0457E-03	1.0519E-03	2.0472E-03
12.1	1.0884E-03	1.8621E-03	1.1765E-03	1.8555E-03
12.2	1.1959E-03	1.6764E-03	1.2783E-03	1.6626E-03
12.3	1.2821E-03	1.4905E-03	1.3586E-03	1.4704E-03
12.4	1.3479E-03	1.3064E-03	1.4185E-03	1.2808E-03
12.5	1.3947E-03	1.1257E-03	1.4590E-03	1.0955E-03
12.6	1.4236E-03	9.4978E-04	1.4817E-03	9.1581E-04
12.7	1.4359E-03	7.8007E-04	1.4878E-03	7.4303E-04
12.8	1.4330E-03	6.1764E-04	1.4788E-03	5.7822E-04
12.9	1.4162E-03	4.6344E-04	1.4560E-03	4.2231E-04
13.0	1.3869E-03	3.1826E-04	1.4210E-03	2.7602E-04
13.1	1.3466E-03	1.8273E-04	1.3751E-03	1.3993E-04
13.2	1.2965E-03	5.7317E-05	1.3198E-03	1.4472E-05
13.3	1.2381E-03	-5.7629E-05	1.2564E-03	-1.0007E-04
13.4	1.1726E-03	-1.6191E-04	1.1862E-03	-2.0354E-04
13.5	1.1014E-03	-2.5543E-04	1.1106E-03	-2.9591E-04
13.6	1.0255E-03	-3.3823E-04	1.0308E-03	-3.7725E-04
13.7	9.4623E-04	-4.1044E-04	9.4783E-04	-4.4774E-04
13.8	8.6459E-04	-4.7228E-04	8.6289E-04	-5.0764E-04
13.9	7.8161E-04	-5.2406E-04	7.7696E-04	-5.5731E-04
14.0	6.9820E-04	-5.6614E-04	6.9095E-04	-5.9715E-04
14.1	6.1524E-04	-5.9898E-04	6.0572E-04	-6.2765E-04
14.2	5.3348E-04	-6.2306E-04	5.2203E-04	-6.4932E-04
14.3	4.5363E-04	-6.3890E-04	4.4055E-04	-6.6273E-04
14.4	3.7631E-04	-6.4709E-04	3.6190E-04	-6.6848E-04
14.5	3.0204E-04	-6.4820E-04	2.8659E-04	-6.6717E-04
14.6	2.3129E-04	-6.4285E-04	2.1506E-04	-6.5945E-04
14.7	1.6445E-04	-6.3165E-04	1.4768E-04	-6.4594E-04
14.8	1.0182E-04	-6.1523E-04	8.4742E-05	-6.2729E-04
14.9	4.3652E-05	-5.9420E-04	2.6474E-05	-6.0413E-04
15.0	-9.8734E-06	-5.6916E-04	-2.6965E-05	-5.7707E-04

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	-9.8734E-06	-5.6916E-04	-2.6965E-05	-5.7707E-04
15.1	-5.8640E-05	-5.4073E-04	-7.5476E-05	-5.4673E-04
15.2	-1.0258E-04	-5.0946E-04	-1.1902E-04	-5.1369E-04
15.3	-1.4170E-04	-4.7592E-04	-1.5760E-04	-4.7850E-04
15.4	-1.7602E-04	-4.4062E-04	-1.9127E-04	-4.4169E-04
15.5	-2.0563E-04	-4.0407E-04	-2.2014E-04	-4.0378E-04
15.6	-2.3065E-04	-3.6674E-04	-2.4435E-04	-3.6521E-04
15.7	-2.5123E-04	-3.2905E-04	-2.6405E-04	-3.2643E-04
15.8	-2.6756E-04	-2.9141E-04	-2.7946E-04	-2.8783E-04
15.9	-2.7985E-04	-2.5418E-04	-2.9080E-04	-2.4977E-04
16.0	-2.8834E-04	-2.1769E-04	-2.9831E-04	-2.1257E-04
16.1	-2.9326E-04	-1.8224E-04	-3.0225E-04	-1.7654E-04
16.2	-2.9488E-04	-1.4807E-04	-3.0289E-04	-1.4190E-04
16.3	-2.9347E-04	-1.1541E-04	-3.0052E-04	-1.0889E-04
16.4	-2.8930E-04	-8.4449E-05	-2.9541E-04	-7.7670E-05
16.5	-2.8267E-04	-5.5343E-05	-2.8787E-04	-4.8404E-05
16.6	-2.7384E-04	-2.8214E-05	-2.7816E-04	-2.1202E-05
16.7	-2.6309E-04	-3.1573E-06	-2.6658E-04	3.8494E-06
16.8	-2.5070E-04	1.9763E-05	-2.5339E-04	2.6692E-05
16.9	-2.3692E-04	4.0508E-05	-2.3887E-04	4.7297E-05
17.0	-2.2202E-04	5.9063E-05	-2.2328E-04	6.5656E-05
17.1	-2.0623E-04	7.5437E-05	-2.0686E-04	8.1785E-05
17.2	-1.8978E-04	8.9658E-05	-1.8983E-04	9.5720E-05
17.3	-1.7290E-04	1.0177E-04	-1.7243E-04	1.0751E-04
17.4	-1.5579E-04	1.1185E-04	-1.5484E-04	1.1724E-04
17.5	-1.3862E-04	1.1996E-04	-1.3726E-04	1.2498E-04
17.6	-1.2159E-04	1.2620E-04	-1.1986E-04	1.3083E-04
17.7	-1.0483E-04	1.3066E-04	-1.0280E-04	1.3490E-04
17.8	-8.8488E-05	1.3347E-04	-8.6202E-05	1.3731E-04
17.9	-7.2691E-05	1.3472E-04	-7.0196E-05	1.3816E-04
18.0	-5.7544E-05	1.3455E-04	-5.4886E-05	1.3759E-04
18.1	-4.3139E-05	1.3308E-04	-4.0360E-05	1.3573E-04
18.2	-2.9553E-05	1.3044E-04	-2.6693E-05	1.3271E-04
18.3	-1.6847E-05	1.2675E-04	-1.3943E-05	1.2865E-04
18.4	-5.0688E-06	1.2213E-04	-2.1552E-06	1.2369E-04
18.5	5.7456E-06	1.1672E-04	8.6385E-06	1.1794E-04
18.6	1.5574E-05	1.1064E-04	1.8419E-05	1.1154E-04
18.7	2.4406E-05	1.0399E-04	2.7178E-05	1.0461E-04
18.8	3.2240E-05	9.6907E-05	3.4918E-05	9.7248E-05
18.9	3.9086E-05	8.9481E-05	4.1652E-05	8.9573E-05
19.0	4.4963E-05	8.1818E-05	4.7401E-05	8.1685E-05
19.1	4.9896E-05	7.4015E-05	5.2194E-05	7.3678E-05
19.2	5.3918E-05	6.6158E-05	5.6067E-05	6.5641E-05
19.3	5.7069E-05	5.8330E-05	5.9060E-05	5.7655E-05
19.4	5.9392E-05	5.0603E-05	6.1220E-05	4.9792E-05
19.5	6.0937E-05	4.3045E-05	6.2598E-05	4.2120E-05
19.6	6.1754E-05	3.5715E-05	6.3248E-05	3.4695E-05
19.7	6.1898E-05	2.8664E-05	6.3226E-05	2.7569E-05
19.8	6.1426E-05	2.1938E-05	6.2590E-05	2.0786E-05
19.9	6.0395E-05	1.5574E-05	6.1398E-05	1.4382E-05
20.0	5.8862E-05	9.6026E-06	5.9711E-05	8.3864E-06

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-1.2217E+00	INFINITY	- INFINITY
0.1	2.4139E+00	-1.2139E+00	3.3131E+00	-9.5131E+00
0.2	1.7123E+00	-1.1949E+00	1.5208E+00	-4.8656E+00
0.3	1.2975E+00	-1.1675E+00	8.7926E-01	-3.3258E+00
0.4	1.0011E+00	-1.1331E+00	5.3091E-01	-2.5532E+00
0.5	7.7078E-01	-1.0930E+00	3.0362E-01	-2.0825E+00
0.6	5.8364E-01	-1.0480E+00	1.3978E-01	-1.7597E+00
0.7	4.2750E-01	-9.9914E-01	1.4604E-02	-1.5196E+00
0.8	2.9518E-01	-9.4707E-01	-8.4400E-02	-1.3300E+00
0.9	1.8207E-01	-8.9252E-01	-1.6425E-01	-1.1735E+00
1.0	8.4997E-02	-8.3614E-01	-2.2922E-01	-1.0398E+00
1.1	1.6796E-03	-7.7851E-01	-2.8212E-01	-9.2265E-01
1.2	-6.9612E-02	-7.2018E-01	-3.2490E-01	-8.1802E-01
1.3	-1.3024E-01	-6.6165E-01	-3.5897E-01	-7.2325E-01
1.4	-1.8132E-01	-6.0339E-01	-3.8543E-01	-6.3653E-01
1.5	-2.2379E-01	-5.4581E-01	-4.0517E-01	-5.5662E-01
1.6	-2.5847E-01	-4.8929E-01	-4.1891E-01	-4.8268E-01
1.7	-2.8608E-01	-4.3417E-01	-4.2728E-01	-4.1407E-01
1.8	-3.0727E-01	-3.8075E-01	-4.3084E-01	-3.5037E-01
1.9	-3.2265E-01	-3.2931E-01	-4.3011E-01	-2.9126E-01
2.0	-3.3277E-01	-2.8007E-01	-4.2554E-01	-2.3648E-01
2.1	-3.3815E-01	-2.3322E-01	-4.1757E-01	-1.8586E-01
2.2	-3.3930E-01	-1.8893E-01	-4.0660E-01	-1.3923E-01
2.3	-3.3666E-01	-1.4732E-01	-3.9302E-01	-9.6467E-02
2.4	-3.3068E-01	-1.0849E-01	-3.7720E-01	-5.7453E-02
2.5	-3.2179E-01	-7.2514E-02	-3.5947E-01	-2.2072E-02
2.6	-3.1037E-01	-3.9431E-02	-3.4016E-01	9.7877E-03
2.7	-2.9680E-01	-9.2551E-03	-3.1958E-01	3.8242E-02
2.8	-2.8144E-01	1.8022E-02	-2.9802E-01	6.3409E-02
2.9	-2.6461E-01	4.2431E-02	-2.7575E-01	8.5415E-02
3.0	-2.4662E-01	6.4023E-02	-2.5301E-01	1.0439E-01
3.1	-2.2777E-01	8.2867E-02	-2.3005E-01	1.2047E-01
3.2	-2.0833E-01	9.9048E-02	-2.0708E-01	1.3381E-01
3.3	-1.8854E-01	1.1267E-01	-1.8431E-01	1.4454E-01
3.4	-1.6863E-01	1.2384E-01	-1.6190E-01	1.5283E-01
3.5	-1.4881E-01	1.3268E-01	-1.4002E-01	1.5882E-01
3.6	-1.2926E-01	1.3934E-01	-1.1883E-01	1.6270E-01
3.7	-1.1016E-01	1.4394E-01	-9.8434E-02	1.6460E-01
3.8	-9.1641E-02	1.4663E-01	-7.8954E-02	1.6471E-01
3.9	-7.3841E-02	1.4756E-01	-6.0481E-02	1.6318E-01
4.0	-5.6869E-02	1.4688E-01	-4.3093E-02	1.6018E-01
4.1	-4.0818E-02	1.4475E-01	-2.6850E-02	1.5587E-01
4.2	-2.5762E-02	1.4132E-01	-1.1800E-02	1.5040E-01
4.3	-1.1762E-02	1.3673E-01	2.0240E-03	1.4393E-01
4.4	1.1371E-03	1.3114E-01	1.4603E-02	1.3661E-01
4.5	1.2905E-02	1.2469E-01	2.5928E-02	1.2858E-01
4.6	2.3526E-02	1.1752E-01	3.6004E-02	1.1999E-01
4.7	3.2993E-02	1.0976E-01	4.4846E-02	1.1095E-01
4.8	4.1313E-02	1.0154E-01	5.2476E-02	1.0160E-01
4.9	4.8504E-02	9.2985E-02	5.8929E-02	9.2043E-02
5.0	5.4591E-02	8.4206E-02	6.4243E-02	8.2397E-02

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	5.4591E-02	8.4206E-02	6.4243E-02	8.2397E-02
5.1	5.9608E-02	7.5309E-02	6.8467E-02	7.2759E-02
5.2	6.3596E-02	6.6393E-02	7.1653E-02	6.3219E-02
5.3	6.6605E-02	5.7547E-02	7.3858E-02	5.3860E-02
5.4	6.8685E-02	4.8853E-02	7.5146E-02	4.4756E-02
5.5	6.9895E-02	4.0386E-02	7.5580E-02	3.5972E-02
5.6	7.0296E-02	3.2209E-02	7.5229E-02	2.7567E-02
5.7	6.9952E-02	2.4379E-02	7.4162E-02	1.9588E-02
5.8	6.8927E-02	1.6946E-02	7.2447E-02	1.2077E-02
5.9	6.7288E-02	9.9495E-03	7.0157E-02	5.0683E-03
6.0	6.5103E-02	3.4237E-03	6.7359E-02	-1.4135E-03
6.1	6.2437E-02	-2.6057E-03	6.4124E-02	-7.3489E-03
6.2	5.9357E-02	-8.1198E-03	6.0518E-02	-1.2726E-02
6.3	5.5927E-02	-1.3106E-02	5.6607E-02	-1.7537E-02
6.4	5.2209E-02	-1.7558E-02	5.2453E-02	-2.1784E-02
6.5	4.8264E-02	-2.1474E-02	4.8116E-02	-2.5470E-02
6.6	4.4150E-02	-2.4861E-02	4.3654E-02	-2.8606E-02
6.7	3.9920E-02	-2.7726E-02	3.9118E-02	-3.1206E-02
6.8	3.5626E-02	-3.0083E-02	3.4561E-02	-3.3287E-02
6.9	3.1315E-02	-3.1950E-02	3.0026E-02	-3.4872E-02
7.0	2.7032E-02	-3.3348E-02	2.5557E-02	-3.5985E-02
7.1	2.2817E-02	-3.4300E-02	2.1191E-02	-3.6652E-02
7.2	1.8705E-02	-3.4833E-02	1.6963E-02	-3.6904E-02
7.3	1.4731E-02	-3.4974E-02	1.2904E-02	-3.6771E-02
7.4	1.0921E-02	-3.4753E-02	9.0375E-03	-3.6284E-02
7.5	7.3010E-03	-3.4201E-02	5.3876E-03	-3.5476E-02
7.6	3.8915E-03	-3.3349E-02	1.9723E-03	-3.4381E-02
7.7	7.0964E-04	-3.2230E-02	-1.1938E-03	-3.3033E-02
7.8	-2.2310E-03	-3.0876E-02	-4.0994E-03	-3.1463E-02
7.9	-4.9202E-03	-2.9318E-02	-6.7367E-03	-2.9705E-02
8.0	-7.3512E-03	-2.7588E-02	-9.1012E-03	-2.7791E-02
8.1	-9.5200E-03	-2.5717E-02	-1.1191E-02	-2.5752E-02
8.2	-1.1426E-02	-2.3733E-02	-1.3008E-02	-2.3617E-02
8.3	-1.3070E-02	-2.1666E-02	-1.4554E-02	-2.1414E-02
8.4	-1.4456E-02	-1.9542E-02	-1.5837E-02	-1.9171E-02
8.5	-1.5592E-02	-1.7386E-02	-1.6864E-02	-1.6912E-02
8.6	-1.6484E-02	-1.5223E-02	-1.7645E-02	-1.4661E-02
8.7	-1.7144E-02	-1.3074E-02	-1.8191E-02	-1.2439E-02
8.8	-1.7582E-02	-1.0960E-02	-1.8515E-02	-1.0265E-02
8.9	-1.7811E-02	-8.8979E-03	-1.8632E-02	-8.1571E-03
9.0	-1.7845E-02	-6.9051E-03	-1.8556E-02	-6.1306E-03
9.1	-1.7699E-02	-4.9956E-03	-1.8302E-02	-4.1990E-03
9.2	-1.7387E-02	-3.1820E-03	-1.7887E-02	-2.3738E-03
9.3	-1.6927E-02	-1.4748E-03	-1.7327E-02	-6.6483E-04
9.4	-1.6332E-02	1.1734E-04	-1.6639E-02	9.2024E-04
9.5	-1.5621E-02	1.5874E-03	-1.5840E-02	2.3754E-03
9.6	-1.4808E-02	2.9303E-03	-1.4944E-02	3.6962E-03
9.7	-1.3909E-02	4.1423E-03	-1.3970E-02	4.8802E-03
9.8	-1.2940E-02	5.2215E-03	-1.2932E-02	5.9262E-03
9.9	-1.1916E-02	6.1673E-03	-1.1844E-02	6.8344E-03
10.0	-1.0850E-02	6.9805E-03	-1.0723E-02	7.6064E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-1.0850E-02	6.9805E-03	-1.0723E-02	7.6064E-03
10.1	-9.7571E-03	7.6631E-03	-9.5803E-03	8.2450E-03
10.2	-8.6494E-03	8.2182E-03	-8.4296E-03	8.7541E-03
10.3	-7.5391E-03	8.6501E-03	-7.2826E-03	9.1385E-03
10.4	-6.4373E-03	8.9636E-03	-6.1503E-03	9.4039E-03
10.5	-5.3543E-03	9.1647E-03	-5.0426E-03	9.5566E-03
10.6	-4.2992E-03	9.2599E-03	-3.9684E-03	9.6036E-03
10.7	-3.2805E-03	9.2561E-03	-2.9358E-03	9.5525E-03
10.8	-2.3054E-03	9.1607E-03	-1.9517E-03	9.4112E-03
10.9	-1.3802E-03	8.9817E-03	-1.0221E-03	9.1877E-03
11.0	-5.1040E-04	8.7271E-03	-1.5204E-04	8.8904E-03
11.1	2.9969E-04	8.4049E-03	6.5451E-04	8.5278E-03
11.2	1.0465E-03	8.0235E-03	1.3944E-03	8.1083E-03
11.3	1.7274E-03	7.5909E-03	2.0653E-03	7.6402E-03
11.4	2.3407E-03	7.1154E-03	2.6660E-03	7.1319E-03
11.5	2.8852E-03	6.6046E-03	3.1956E-03	6.5911E-03
11.6	3.3608E-03	6.0664E-03	3.6544E-03	6.0257E-03
11.7	3.7680E-03	5.5080E-03	4.0432E-03	5.4430E-03
11.8	4.1077E-03	4.9365E-03	4.3633E-03	4.8500E-03
11.9	4.3816E-03	4.3584E-03	4.6168E-03	4.2533E-03
12.0	4.5920E-03	3.7799E-03	4.8060E-03	3.6589E-03
12.1	4.7415E-03	3.2067E-03	4.9340E-03	3.0725E-03
12.2	4.8330E-03	2.6441E-03	5.0039E-03	2.4943E-03
12.3	4.8701E-03	2.0968E-03	5.0195E-03	1.9438E-03
12.4	4.8563E-03	1.5691E-03	4.9846E-03	1.4103E-03
12.5	4.7955E-03	1.0647E-03	4.9032E-03	9.0218E-04
12.6	4.6918E-03	5.8685E-04	4.7796E-03	4.2267E-04
12.7	4.5494E-03	1.3833E-04	4.6182E-03	-2.5668E-05
12.8	4.3725E-03	-2.7865E-04	4.4232E-03	-4.4077E-04
12.9	4.1654E-03	-6.6229E-04	4.1990E-03	-8.2103E-04
13.0	3.9324E-03	-1.0113E-03	3.9501E-03	-1.1653E-03
13.1	3.6776E-03	-1.3247E-03	3.6806E-03	-1.4728E-03
13.2	3.4052E-03	-1.6022E-03	3.3947E-03	-1.7433E-03
13.3	3.1190E-03	-1.8435E-03	3.0964E-03	-1.9768E-03
13.4	2.8231E-03	-2.0490E-03	2.7896E-03	-2.1739E-03
13.5	2.5209E-03	-2.2193E-03	2.4778E-03	-2.3351E-03
13.6	2.2158E-03	-2.3553E-03	2.1644E-03	-2.4616E-03
13.7	1.9112E-03	-2.4582E-03	1.8527E-03	-2.5547E-03
13.8	1.6099E-03	-2.5293E-03	1.5456E-03	-2.6159E-03
13.9	1.3147E-03	-2.5703E-03	1.2457E-03	-2.6469E-03
14.0	1.0280E-03	-2.5830E-03	9.5546E-04	-2.6497E-03
14.1	7.5205E-04	-2.5693E-03	6.7697E-04	-2.6263E-03
14.2	4.8873E-04	-2.5312E-03	4.1212E-04	-2.5788E-03
14.3	2.3971E-04	-2.4710E-03	1.6251E-04	-2.5094E-03
14.4	6.4124E-06	-2.3909E-03	-7.0552E-05	-2.4205E-03
14.5	-2.1002E-04	-2.2930E-03	-2.8597E-04	-2.3142E-03
14.6	-4.0870E-04	-2.1796E-03	-4.8294E-04	-2.1930E-03
14.7	-5.8896E-04	-2.0529E-03	-6.6087E-04	-2.0591E-03
14.8	-7.5036E-04	-1.9152E-03	-8.1941E-04	-1.9146E-03
14.9	-8.9270E-04	-1.7687E-03	-9.5841E-04	-1.7619E-03
15.0	-1.0160E-03	-1.6153E-03	-1.0779E-03	-1.6029E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	-1.0160E-03	-1.6153E-03	-1.0779E-03	-1.6029E-03
15.1	-1.1203E-03	-1.4571E-03	-1.1782E-03	-1.4397E-03
15.2	-1.2061E-03	-1.2960E-03	-1.2597E-03	-1.2742E-03
15.3	-1.2738E-03	-1.1338E-03	-1.3229E-03	-1.1082E-03
15.4	-1.3241E-03	-9.7209E-04	-1.3686E-03	-9.4332E-04
15.5	-1.3577E-03	-8.1252E-04	-1.3976E-03	-7.8110E-04
15.6	-1.3756E-03	-6.5645E-04	-1.4107E-03	-6.2293E-04
15.7	-1.3786E-03	-5.0518E-04	-1.4091E-03	-4.7007E-04
15.8	-1.3679E-03	-3.5983E-04	-1.3938E-03	-3.2363E-04
15.9	-1.3445E-03	-2.2140E-04	-1.3659E-03	-1.8458E-04
16.0	-1.3096E-03	-9.0758E-05	-1.3266E-03	-5.3732E-05
16.1	-1.2642E-03	3.1384E-05	-1.2772E-03	6.8215E-05
16.2	-1.2098E-03	1.4444E-04	-1.2188E-03	1.8072E-04
16.3	-1.1473E-03	2.4795E-04	-1.1527E-03	2.8335E-04
16.4	-1.0781E-03	3.4160E-04	-1.0800E-03	3.7582E-04
16.5	-1.0032E-03	4.2517E-04	-1.0019E-03	4.5797E-04
16.6	-9.2383E-04	4.9856E-04	-9.1969E-04	5.2973E-04
16.7	-8.4108E-04	5.6180E-04	-8.3433E-04	5.9114E-04
16.8	-7.5600E-04	6.1498E-04	-7.4692E-04	6.4235E-04
16.9	-6.6959E-04	6.5831E-04	-6.5847E-04	6.8360E-04
17.0	-5.8279E-04	6.9208E-04	-5.6991E-04	7.1519E-04
17.1	-4.9648E-04	7.1663E-04	-4.8211E-04	7.3751E-04
17.2	-4.1146E-04	7.3238E-04	-3.9588E-04	7.5101E-04
17.3	-3.2849E-04	7.3982E-04	-3.1195E-04	7.5619E-04
17.4	-2.4822E-04	7.3947E-04	-2.3097E-04	7.5359E-04
17.5	-1.7125E-04	7.3187E-04	-1.5352E-04	7.4379E-04
17.6	-9.8091E-05	7.1764E-04	-8.0107E-05	7.2741E-04
17.7	-2.9194E-05	6.9738E-04	-1.1157E-05	7.0508E-04
17.8	3.5073E-05	6.7172E-04	5.2974E-05	6.7745E-04
17.9	9.4413E-05	6.4130E-04	1.1201E-04	6.4515E-04
18.0	1.4859E-04	6.0675E-04	1.6573E-04	6.0884E-04
18.1	1.9746E-04	5.6871E-04	2.1400E-04	5.6916E-04
18.2	2.4090E-04	5.2780E-04	2.5672E-04	5.2675E-04
18.3	2.7889E-04	4.8463E-04	2.9389E-04	4.8220E-04
18.4	3.1144E-04	4.3978E-04	3.2554E-04	4.3610E-04
18.5	3.3861E-04	3.9380E-04	3.5174E-04	3.8903E-04
18.6	3.6054E-04	3.4723E-04	3.7263E-04	3.4149E-04
18.7	3.7736E-04	3.0057E-04	3.8839E-04	2.9400E-04
18.8	3.8929E-04	2.5428E-04	3.9923E-04	2.4702E-04
18.9	3.9656E-04	2.0878E-04	4.0539E-04	2.0095E-04
19.0	3.9942E-04	1.6446E-04	4.0715E-04	1.5620E-04
19.1	3.9816E-04	1.2168E-04	4.0479E-04	1.1310E-04
19.2	3.9309E-04	8.0747E-05	3.9865E-04	7.1955E-05
19.3	3.8453E-04	4.1923E-05	3.8904E-04	3.3030E-05
19.4	3.7280E-04	5.4427E-06	3.7631E-04	-3.4546E-06
19.5	3.5825E-04	-2.8506E-05	3.6080E-04	-3.7316E-05
19.6	3.4122E-04	-5.9768E-05	3.4286E-04	-6.8410E-05
19.7	3.2206E-04	-8.8230E-05	3.2284E-04	-9.6629E-05
19.8	3.0109E-04	-1.1381E-04	3.0108E-04	-1.2190E-04
19.9	2.7866E-04	-1.3647E-04	2.7792E-04	-1.4419E-04
20.0	2.5509E-04	-1.5618E-04	2.5369E-04	-1.6349E-04

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-1.3090E+00	INFINITY	- INFINITY
0.1	2.4128E+00	-1.3019E+00	2.4874E+00	-9.7832E+00
0.2	1.7083E+00	-1.2841E+00	1.1116E+00	-5.0101E+00
0.3	1.2895E+00	-1.2578E+00	6.0703E-01	-3.4311E+00
0.4	9.8806E-01	-1.2241E+00	3.2493E-01	-2.6403E+00
0.5	7.5209E-01	-1.1842E+00	1.3522E-01	-2.1591E+00
0.6	5.5875E-01	-1.1388E+00	-5.5439E-03	-1.8292E+00
0.7	3.9607E-01	-1.0887E+00	-1.1599E-01	-1.5836E+00
0.8	2.5702E-01	-1.0346E+00	-2.0545E-01	-1.3891E+00
0.9	1.3715E-01	-9.7730E-01	-2.7911E-01	-1.2279E+00
1.0	3.3415E-02	-9.1735E-01	-3.4015E-01	-1.0895E+00
1.1	-5.6333E-02	-8.5540E-01	-3.9059E-01	-9.6733E-01
1.2	-1.3371E-01	-7.9202E-01	-4.3186E-01	-8.5736E-01
1.3	-1.9998E-01	-7.2777E-01	-4.6500E-01	-7.5689E-01
1.4	-2.5617E-01	-6.6318E-01	-4.9080E-01	-6.6413E-01
1.5	-3.0314E-01	-5.9873E-01	-5.0994E-01	-5.7787E-01
1.6	-3.4165E-01	-5.3490E-01	-5.2296E-01	-4.9730E-01
1.7	-3.7236E-01	-4.7210E-01	-5.3038E-01	-4.2187E-01
1.8	-3.9589E-01	-4.1072E-01	-5.3264E-01	-3.5120E-01
1.9	-4.1282E-01	-3.5113E-01	-5.3019E-01	-2.8504E-01
2.0	-4.2369E-01	-2.9365E-01	-5.2343E-01	-2.2322E-01
2.1	-4.2902E-01	-2.3855E-01	-5.1277E-01	-1.6563E-01
2.2	-4.2931E-01	-1.8609E-01	-4.9860E-01	-1.1220E-01
2.3	-4.2504E-01	-1.3648E-01	-4.8130E-01	-6.2849E-02
2.4	-4.1669E-01	-8.9911E-02	-4.6124E-01	-1.7539E-02
2.5	-4.0470E-01	-4.6515E-02	-4.3878E-01	2.3782E-02
2.6	-3.8952E-01	-6.4076E-03	-4.1429E-01	6.1168E-02
2.7	-3.7158E-01	3.0332E-02	-3.8810E-01	9.4681E-02
2.8	-3.5128E-01	6.3656E-02	-3.6056E-01	1.2439E-01
2.9	-3.2901E-01	9.3545E-02	-3.3197E-01	1.5039E-01
3.0	-3.0516E-01	1.2001E-01	-3.0266E-01	1.7278E-01
3.1	-2.8009E-01	1.4309E-01	-2.7291E-01	1.9166E-01
3.2	-2.5412E-01	1.6284E-01	-2.4300E-01	2.0716E-01
3.3	-2.2759E-01	1.7934E-01	-2.1319E-01	2.1942E-01
3.4	-2.0079E-01	1.9270E-01	-1.8373E-01	2.2859E-01
3.5	-1.7401E-01	2.0304E-01	-1.5484E-01	2.3484E-01
3.6	-1.4749E-01	2.1051E-01	-1.2672E-01	2.3834E-01
3.7	-1.2148E-01	2.1524E-01	-9.9554E-02	2.3926E-01
3.8	-9.6185E-02	2.1741E-01	-7.3517E-02	2.3780E-01
3.9	-7.1796E-02	2.1719E-01	-4.8751E-02	2.3414E-01
4.0	-4.8481E-02	2.1477E-01	-2.5381E-02	2.2848E-01
4.1	-2.6387E-02	2.1033E-01	-3.5138E-03	2.2103E-01
4.2	-5.6377E-03	2.0407E-01	1.6764E-02	2.1198E-01
4.3	1.3665E-02	1.9619E-01	3.5384E-02	2.0153E-01
4.4	3.1439E-02	1.8687E-01	5.2297E-02	1.8987E-01
4.5	4.7621E-02	1.7632E-01	6.7472E-02	1.7721E-01
4.6	6.2170E-02	1.6473E-01	8.0894E-02	1.6373E-01
4.7	7.5059E-02	1.5228E-01	9.2563E-02	1.4962E-01
4.8	8.6282E-02	1.3916E-01	1.0250E-01	1.3504E-01
4.9	9.5847E-02	1.2555E-01	1.1072E-01	1.2017E-01
5.0	1.0378E-01	1.1160E-01	1.1728E-01	1.0517E-01

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	1.0378E-01	1.1160E-01	1.1728E-01	1.0517E-01
5.1	1.1011E-01	9.7495E-02	1.2224E-01	9.0189E-02
5.2	1.1489E-01	8.3369E-02	1.2565E-01	7.5363E-02
5.3	1.1819E-01	6.9365E-02	1.2759E-01	6.0821E-02
5.4	1.2006E-01	5.5613E-02	1.2815E-01	4.6682E-02
5.5	1.2060E-01	4.2230E-02	1.2740E-01	3.3053E-02
5.6	1.1988E-01	2.9323E-02	1.2546E-01	2.0026E-02
5.7	1.1800E-01	1.6986E-02	1.2242E-01	7.6860E-03
5.8	1.1506E-01	5.3018E-03	1.1837E-01	-3.8974E-03
5.9	1.1116E-01	-5.6586E-03	1.1344E-01	-1.4665E-02
6.0	1.0639E-01	-1.5836E-02	1.0772E-01	-2.4567E-02
6.1	1.0087E-01	-2.5182E-02	1.0132E-01	-3.3569E-02
6.2	9.4697E-02	-3.3661E-02	9.4344E-02	-4.1643E-02
6.3	8.7976E-02	-4.1246E-02	8.6903E-02	-4.8773E-02
6.4	8.0810E-02	-4.7921E-02	7.9097E-02	-5.4955E-02
6.5	7.3298E-02	-5.3681E-02	7.1023E-02	-6.0189E-02
6.6	6.5538E-02	-5.8528E-02	6.2778E-02	-6.4489E-02
6.7	5.7621E-02	-6.2476E-02	5.4451E-02	-6.7874E-02
6.8	4.9635E-02	-6.5542E-02	4.6128E-02	-7.0371E-02
6.9	4.1665E-02	-6.7754E-02	3.7889E-02	-7.2013E-02
7.0	3.3787E-02	-6.9146E-02	2.9808E-02	-7.2839E-02
7.1	2.6073E-02	-6.9756E-02	2.1952E-02	-7.2895E-02
7.2	1.8589E-02	-6.9629E-02	1.4383E-02	-7.2229E-02
7.3	1.1394E-02	-6.8813E-02	7.1559E-03	-7.0894E-02
7.4	4.5397E-03	-6.7359E-02	3.1855E-04	-6.8945E-02
7.5	-1.9275E-03	-6.5324E-02	-6.0878E-03	-6.6440E-02
7.6	-7.9685E-03	-6.2763E-02	-1.2029E-02	-6.3440E-02
7.7	-1.3551E-02	-5.9736E-02	-1.7475E-02	-6.0003E-02
7.8	-1.8648E-02	-5.6301E-02	-2.2407E-02	-5.6191E-02
7.9	-2.3241E-02	-5.2518E-02	-2.6808E-02	-5.2065E-02
8.0	-2.7315E-02	-4.8447E-02	-3.0669E-02	-4.7685E-02
8.1	-3.0863E-02	-4.4144E-02	-3.3986E-02	-4.3108E-02
8.2	-3.3884E-02	-3.9668E-02	-3.6762E-02	-3.8391E-02
8.3	-3.6379E-02	-3.5073E-02	-3.9002E-02	-3.3590E-02
8.4	-3.8357E-02	-3.0412E-02	-4.0719E-02	-2.8755E-02
8.5	-3.9831E-02	-2.5735E-02	-4.1928E-02	-2.3937E-02
8.6	-4.0817E-02	-2.1088E-02	-4.2649E-02	-1.9180E-02
8.7	-4.1336E-02	-1.6517E-02	-4.2906E-02	-1.4527E-02
8.8	-4.1411E-02	-1.2060E-02	-4.2723E-02	-1.0018E-02
8.9	-4.1069E-02	-7.7563E-03	-4.2131E-02	-5.6864E-03
9.0	-4.0339E-02	-3.6374E-03	-4.1160E-02	-1.5644E-03
9.1	-3.9251E-02	2.6704E-04	-3.9842E-02	2.3211E-03
9.2	-3.7839E-02	3.9316E-03	-3.8212E-02	5.9465E-03
9.3	-3.6136E-02	7.3347E-03	-3.6305E-02	9.2925E-03
9.4	-3.4176E-02	1.0459E-02	-3.4156E-02	1.2343E-02
9.5	-3.1995E-02	1.3290E-02	-3.1801E-02	1.5088E-02
9.6	-2.9627E-02	1.5819E-02	-2.9274E-02	1.7517E-02
9.7	-2.7107E-02	1.8037E-02	-2.6613E-02	1.9626E-02
9.8	-2.4469E-02	1.9943E-02	-2.3849E-02	2.1415E-02
9.9	-2.1747E-02	2.1537E-02	-2.1017E-02	2.2885E-02
10.0	-1.8971E-02	2.2820E-02	-1.8149E-02	2.4041E-02

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-1.8971E-02	2.2820E-02	-1.8149E-02	2.4041E-02
10.1	-1.6173E-02	2.3801E-02	-1.5274E-02	2.4891E-02
10.2	-1.3381E-02	2.4486E-02	-1.2420E-02	2.5444E-02
10.3	-1.0623E-02	2.4887E-02	-9.6157E-03	2.5714E-02
10.4	-7.9237E-03	2.5017E-02	-6.8838E-03	2.5714E-02
10.5	-5.3063E-03	2.4891E-02	-4.2473E-03	2.5461E-02
10.6	-2.7917E-03	2.4525E-02	-1.7260E-03	2.4972E-02
10.7	-3.9861E-04	2.3938E-02	6.6223E-04	2.4266E-02
10.8	1.8568E-03	2.3148E-02	2.9020E-03	2.3363E-02
10.9	3.9603E-03	2.2175E-02	4.9802E-03	2.2283E-02
11.0	5.9003E-03	2.1039E-02	6.8863E-03	2.1048E-02
11.1	7.6673E-03	1.9762E-02	8.6116E-03	1.9679E-02
11.2	9.2541E-03	1.8364E-02	1.0150E-02	1.8197E-02
11.3	1.0656E-02	1.6866E-02	1.1498E-02	1.6623E-02
11.4	1.1870E-02	1.5289E-02	1.2653E-02	1.4978E-02
11.5	1.2894E-02	1.3653E-02	1.3616E-02	1.3282E-02
11.6	1.3731E-02	1.1978E-02	1.4387E-02	1.1555E-02
11.7	1.4383E-02	1.0281E-02	1.4972E-02	9.8163E-03
11.8	1.4854E-02	8.5828E-03	1.5375E-02	8.0825E-03
11.9	1.5151E-02	6.8983E-03	1.5603E-02	6.3707E-03
12.0	1.5280E-02	5.2438E-03	1.5664E-02	4.6963E-03
12.1	1.5250E-02	3.6338E-03	1.5567E-02	3.0736E-03
12.2	1.5071E-02	2.0815E-03	1.5323E-02	1.5153E-03
12.3	1.4754E-02	5.9893E-04	1.4942E-02	3.3010E-05
12.4	1.4308E-02	-8.0346E-04	1.4436E-02	-1.3633E-03
12.5	1.3747E-02	-2.1165E-03	1.3817E-02	-2.6649E-03
12.6	1.3082E-02	-3.3325E-03	1.3099E-02	-3.8646E-03
12.7	1.2327E-02	-4.4450E-03	1.2293E-02	-4.9566E-03
12.8	1.1493E-02	-5.4493E-03	1.1413E-02	-5.9365E-03
12.9	1.0593E-02	-6.3415E-03	1.0471E-02	-6.8012E-03
13.0	9.6409E-03	-7.1195E-03	9.4811E-03	-7.5489E-03
13.1	8.6482E-03	-7.7822E-03	8.4549E-03	-8.1791E-03
13.2	7.6272E-03	-8.3297E-03	7.4049E-03	-8.6923E-03
13.3	6.5895E-03	-8.7634E-03	6.3425E-03	-9.0904E-03
13.4	5.5464E-03	-9.0854E-03	5.2790E-03	-9.3761E-03
13.5	4.5083E-03	-9.2991E-03	4.2249E-03	-9.5530E-03
13.6	3.4854E-03	-9.4086E-03	3.1898E-03	-9.6258E-03
13.7	2.4866E-03	-9.4188E-03	2.1828E-03	-9.5996E-03
13.8	1.5205E-03	-9.3353E-03	1.2122E-03	-9.4805E-03
13.9	5.9477E-04	-9.1644E-03	2.8542E-04	-9.2750E-03
14.0	-2.8390E-04	-8.9127E-03	-5.9105E-04	-8.9900E-03
14.1	-1.1095E-03	-8.5873E-03	-1.4115E-03	-8.6329E-03
14.2	-1.8770E-03	-8.1957E-03	-2.1711E-03	-8.2113E-03
14.3	-2.5822E-03	-7.7454E-03	-2.8658E-03	-7.7330E-03
14.4	-3.2216E-03	-7.2443E-03	-3.4927E-03	-7.2060E-03
14.5	-3.7928E-03	-6.7003E-03	-4.0495E-03	-6.6382E-03
14.6	-4.2937E-03	-6.1210E-03	-4.5346E-03	-6.0375E-03
14.7	-4.7242E-03	-5.5143E-03	-4.9475E-03	-5.4117E-03
14.8	-5.0834E-03	-4.8876E-03	-5.2882E-03	-4.7683E-03
14.9	-5.3719E-03	-4.2482E-03	-5.5574E-03	-4.1146E-03
15.0	-5.5911E-03	-3.6033E-03	-5.7568E-03	-3.4576E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	-5.5911E-03	-3.6033E-03	-5.7568E-03	-3.4576E-03
15.1	-5.7426E-03	-2.9593E-03	-5.8881E-03	-2.8040E-03
15.2	-5.8288E-03	-2.3226E-03	-5.9542E-03	-2.1599E-03
15.3	-5.8527E-03	-1.6991E-03	-5.9579E-03	-1.5312E-03
15.4	-5.8174E-03	-1.0941E-03	-5.9028E-03	-9.2300E-04
15.5	-5.7267E-03	-5.1255E-04	-5.7928E-03	-3.4022E-04
15.6	-5.5847E-03	4.1203E-05	-5.6321E-03	2.1291E-04
15.7	-5.3955E-03	5.6326E-04	-5.4251E-03	7.3264E-04
15.8	-5.1638E-03	1.0503E-03	-5.1764E-03	1.2158E-03
15.9	-4.8943E-03	1.4995E-03	-4.8910E-03	1.6597E-03
16.0	-4.5917E-03	1.9086E-03	-4.5735E-03	2.0622E-03
16.1	-4.2608E-03	2.2758E-03	-4.2290E-03	2.4217E-03
16.2	-3.9065E-03	2.5999E-03	-3.8624E-03	2.7371E-03
16.3	-3.5337E-03	2.8801E-03	-3.4785E-03	3.0079E-03
16.4	-3.1469E-03	3.1161E-03	-3.0820E-03	3.2338E-03
16.5	-2.7509E-03	3.3082E-03	-2.6775E-03	3.4152E-03
16.6	-2.3500E-03	3.4569E-03	-2.2695E-03	3.5529E-03
16.7	-1.9484E-03	3.5631E-03	-1.8621E-03	3.6479E-03
16.8	-1.5502E-03	3.6283E-03	-1.4592E-03	3.7017E-03
16.9	-1.1590E-03	3.6540E-03	-1.0647E-03	3.7162E-03
17.0	-7.7826E-04	3.6423E-03	-6.8183E-04	3.6932E-03
17.1	-4.1120E-04	3.5953E-03	-3.1373E-04	3.6353E-03
17.2	-6.0622E-05	3.5156E-03	3.6818E-05	3.5449E-03
17.3	2.7094E-04	3.4056E-03	3.6737E-04	3.4248E-03
17.4	5.8130E-04	3.2683E-03	6.7581E-04	3.2777E-03
17.5	8.6859E-04	3.1064E-03	9.6035E-04	3.1066E-03
17.6	1.1313E-03	2.9229E-03	1.2196E-03	2.9146E-03
17.7	1.3682E-03	2.7209E-03	1.4523E-03	2.7047E-03
17.8	1.5784E-03	2.5034E-03	1.6577E-03	2.4799E-03
17.9	1.7613E-03	2.2733E-03	1.8355E-03	2.2433E-03
18.0	1.9167E-03	2.0336E-03	1.9852E-03	1.9979E-03
18.1	2.0445E-03	1.7873E-03	2.1071E-03	1.7465E-03
18.2	2.1451E-03	1.5371E-03	2.2015E-03	1.4920E-03
18.3	2.2190E-03	1.2856E-03	2.2691E-03	1.2370E-03
18.4	2.2670E-03	1.0355E-03	2.3106E-03	9.8406E-04
18.5	2.2899E-03	7.8910E-04	2.3270E-03	7.3553E-04
18.6	2.2890E-03	5.4860E-04	2.3198E-03	4.9359E-04
18.7	2.2656E-03	3.1605E-04	2.2901E-03	2.6025E-04
18.8	2.2213E-03	9.3304E-05	2.2396E-03	3.7330E-05
18.9	2.1575E-03	-1.1801E-04	2.1699E-03	-1.7358E-04
19.0	2.0760E-03	-3.1645E-04	2.0827E-03	-3.7109E-04
19.1	1.9786E-03	-5.0078E-04	1.9800E-03	-5.5399E-04
19.2	1.8671E-03	-6.6997E-04	1.8635E-03	-7.2130E-04
19.3	1.7434E-03	-8.2320E-04	1.7351E-03	-8.7226E-04
19.4	1.6094E-03	-9.5984E-04	1.5968E-03	-1.0063E-03
19.5	1.4670E-03	-1.0795E-03	1.4506E-03	-1.1230E-03
19.6	1.3180E-03	-1.1819E-03	1.2981E-03	-1.2223E-03
19.7	1.1642E-03	-1.2670E-03	1.1414E-03	-1.3040E-03
19.8	1.0076E-03	-1.3350E-03	9.8207E-04	-1.3684E-03
19.9	8.4961E-04	-1.3860E-03	8.2195E-04	-1.4159E-03
20.0	6.9201E-04	-1.4206E-03	6.6260E-04	-1.4468E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-1.3963E+00	INFINITY	- INFINITY
0.1	2.4117E+00	-1.3901E+00	1.6426E+00	-9.9795E+00
0.2	1.7046E+00	-1.3739E+00	6.9344E-01	-5.1180E+00
0.3	1.2818E+00	-1.3493E+00	3.2935E-01	-3.5126E+00
0.4	9.7535E-01	-1.3171E+00	1.1522E-01	-2.7102E+00
0.5	7.3353E-01	-1.2781E+00	-3.6032E-02	-2.2229E+00
0.6	5.3364E-01	-1.2330E+00	-1.5334E-01	-1.8891E+00
0.7	3.6390E-01	-1.1825E+00	-2.4902E-01	-1.6404E+00
0.8	2.1744E-01	-1.1272E+00	-3.2917E-01	-1.4431E+00
0.9	8.9955E-02	-1.0677E+00	-3.9712E-01	-1.2788E+00
1.0	-2.1426E-02	-1.0048E+00	-4.5486E-01	-1.1368E+00
1.1	-1.1872E-01	-9.3886E-01	-5.0364E-01	-1.0106E+00
1.2	-2.0341E-01	-8.7066E-01	-5.4432E-01	-8.9596E-01
1.3	-2.7662E-01	-8.0073E-01	-5.7752E-01	-7.9024E-01
1.4	-3.3927E-01	-7.2965E-01	-6.0372E-01	-6.9162E-01
1.5	-3.9211E-01	-6.5798E-01	-6.2333E-01	-5.9896E-01
1.6	-4.3580E-01	-5.8625E-01	-6.3671E-01	-5.1148E-01
1.7	-4.7093E-01	-5.1498E-01	-6.4419E-01	-4.2870E-01
1.8	-4.9804E-01	-4.4464E-01	-6.4611E-01	-3.5033E-01
1.9	-5.1766E-01	-3.7570E-01	-6.4279E-01	-2.7620E-01
2.0	-5.3028E-01	-3.0858E-01	-6.3458E-01	-2.0624E-01
2.1	-5.3640E-01	-2.4368E-01	-6.2181E-01	-1.4042E-01
2.2	-5.3651E-01	-1.8135E-01	-6.0484E-01	-7.8759E-02
2.3	-5.3107E-01	-1.2191E-01	-5.8403E-01	-2.1302E-02
2.4	-5.2058E-01	-6.5663E-02	-5.5975E-01	3.1912E-02
2.5	-5.0550E-01	-1.2848E-02	-5.3236E-01	8.0840E-02
2.6	-4.8632E-01	3.6320E-02	-5.0226E-01	1.2545E-01
2.7	-4.6351E-01	8.1669E-02	-4.6981E-01	1.6571E-01
2.8	-4.3752E-01	1.2306E-01	-4.3540E-01	2.0163E-01
2.9	-4.0882E-01	1.6040E-01	-3.9940E-01	2.3322E-01
3.0	-3.7786E-01	1.9361E-01	-3.6219E-01	2.6051E-01
3.1	-3.4508E-01	2.2268E-01	-3.2412E-01	2.8358E-01
3.2	-3.1089E-01	2.4761E-01	-2.8555E-01	3.0248E-01
3.3	-2.7572E-01	2.6844E-01	-2.4682E-01	3.1734E-01
3.4	-2.3994E-01	2.8523E-01	-2.0825E-01	3.2828E-01
3.5	-2.0395E-01	2.9809E-01	-1.7015E-01	3.3544E-01
3.6	-1.6808E-01	3.0714E-01	-1.3282E-01	3.3899E-01
3.7	-1.3267E-01	3.1253E-01	-9.6529E-02	3.3911E-01
3.8	-9.8036E-02	3.1444E-01	-6.1521E-02	3.3600E-01
3.9	-6.4448E-02	3.1305E-01	-2.8027E-02	3.2989E-01
4.0	-3.2169E-02	3.0857E-01	3.7487E-03	3.2099E-01
4.1	-1.4291E-03	3.0124E-01	3.3624E-02	3.0954E-01
4.2	2.7567E-02	2.9128E-01	6.1443E-02	2.9579E-01
4.3	5.4642E-02	2.7895E-01	8.7072E-02	2.7999E-01
4.4	7.9645E-02	2.6449E-01	1.1041E-01	2.6240E-01
4.5	1.0245E-01	2.4818E-01	1.3136E-01	2.4328E-01
4.6	1.2297E-01	2.3026E-01	1.4987E-01	2.2288E-01
4.7	1.4113E-01	2.1100E-01	1.6592E-01	2.0145E-01
4.8	1.5688E-01	1.9067E-01	1.7947E-01	1.7926E-01
4.9	1.7020E-01	1.6951E-01	1.9055E-01	1.5655E-01
5.0	1.8110E-01	1.4778E-01	1.9919E-01	1.3354E-01

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	1.8110E-01	1.4778E-01	1.9919E-01	1.3354E-01
5.1	1.8960E-01	1.2572E-01	2.0542E-01	1.1048E-01
5.2	1.9574E-01	1.0356E-01	2.0933E-01	8.7569E-02
5.3	1.9960E-01	8.1523E-02	2.1100E-01	6.5024E-02
5.4	2.0125E-01	5.9812E-02	2.1053E-01	4.3032E-02
5.5	2.0080E-01	3.8624E-02	2.0804E-01	2.1771E-02
5.6	1.9835E-01	1.8138E-02	2.0365E-01	1.4008E-03
5.7	1.9405E-01	-1.4834E-03	1.9750E-01	-1.7932E-02
5.8	1.8801E-01	-2.0093E-02	1.8973E-01	-3.6098E-02
5.9	1.8040E-01	-3.7560E-02	1.8052E-01	-5.2986E-02
6.0	1.7136E-01	-5.3773E-02	1.7001E-01	-6.8500E-02
6.1	1.6106E-01	-6.8637E-02	1.5836E-01	-8.2563E-02
6.2	1.4965E-01	-8.2074E-02	1.4576E-01	-9.5113E-02
6.3	1.3732E-01	-9.4025E-02	1.3236E-01	-1.0611E-01
6.4	1.2421E-01	-1.0445E-01	1.1832E-01	-1.1552E-01
6.5	1.1051E-01	-1.1331E-01	1.0383E-01	-1.2333E-01
6.6	9.6368E-02	-1.2061E-01	8.9026E-02	-1.2956E-01
6.7	8.1951E-02	-1.2635E-01	7.4077E-02	-1.3421E-01
6.8	6.7412E-02	-1.3055E-01	5.9131E-02	-1.3732E-01
6.9	5.2899E-02	-1.3324E-01	4.4329E-02	-1.3893E-01
7.0	3.8554E-02	-1.3447E-01	2.9808E-02	-1.3910E-01
7.1	2.4509E-02	-1.3430E-01	1.5693E-02	-1.3790E-01
7.2	1.0887E-02	-1.3280E-01	2.0993E-03	-1.3541E-01
7.3	-2.1984E-03	-1.3004E-01	-1.0867E-02	-1.3170E-01
7.4	-1.4644E-02	-1.2612E-01	-2.3110E-02	-1.2688E-01
7.5	-2.6358E-02	-1.2112E-01	-3.4548E-02	-1.2104E-01
7.6	-3.7260E-02	-1.1514E-01	-4.5107E-02	-1.1429E-01
7.7	-4.7282E-02	-1.0830E-01	-5.4727E-02	-1.0674E-01
7.8	-5.6365E-02	-1.0069E-01	-6.3359E-02	-9.8484E-02
7.9	-6.4466E-02	-9.2436E-02	-7.0967E-02	-8.9649E-02
8.0	-7.1549E-02	-8.3639E-02	-7.7524E-02	-8.0344E-02
8.1	-7.7593E-02	-7.4413E-02	-8.3015E-02	-7.0680E-02
8.2	-8.2585E-02	-6.4870E-02	-8.7436E-02	-6.0768E-02
8.3	-8.6526E-02	-5.5117E-02	-9.0794E-02	-5.0715E-02
8.4	-8.9426E-02	-4.5260E-02	-9.3106E-02	-4.0623E-02
8.5	-9.1302E-02	-3.5401E-02	-9.4396E-02	-3.0594E-02
8.6	-9.2184E-02	-2.5637E-02	-9.4700E-02	-2.0722E-02
8.7	-9.2108E-02	-1.6059E-02	-9.4057E-02	-1.1094E-02
8.8	-9.1118E-02	-6.7533E-03	-9.2519E-02	-1.7935E-03
8.9	-8.9266E-02	2.2008E-03	-9.0140E-02	7.1043E-03
9.0	-8.6609E-02	1.0731E-02	-8.6981E-02	1.5531E-02
9.1	-8.3208E-02	1.8773E-02	-8.3108E-02	2.3426E-02
9.2	-7.9131E-02	2.6269E-02	-7.8591E-02	3.0737E-02
9.3	-7.4449E-02	3.3170E-02	-7.3502E-02	3.7418E-02
9.4	-6.9233E-02	3.9434E-02	-6.7917E-02	4.3433E-02
9.5	-6.3561E-02	4.5028E-02	-6.1911E-02	4.8752E-02
9.6	-5.7506E-02	4.9928E-02	-5.5563E-02	5.3356E-02
9.7	-5.1147E-02	5.4115E-02	-4.8948E-02	5.7230E-02
9.8	-4.4560E-02	5.7579E-02	-4.2144E-02	6.0370E-02
9.9	-3.7818E-02	6.0319E-02	-3.5224E-02	6.2777E-02
10.0	-3.0996E-02	6.2340E-02	-2.8262E-02	6.4459E-02

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-3.0996E-02	6.2340E-02	-2.8262E-02	6.4459E-02
10.1	-2.4164E-02	6.3652E-02	-2.1327E-02	6.5434E-02
10.2	-1.7389E-02	6.4275E-02	-1.4485E-02	6.5721E-02
10.3	-1.0737E-02	6.4231E-02	-7.7993E-03	6.5348E-02
10.4	-4.2668E-03	6.3552E-02	-1.3282E-03	6.4347E-02
10.5	1.9654E-03	6.2271E-02	4.8746E-03	6.2757E-02
10.6	7.9084E-03	6.0426E-02	1.0760E-02	6.0617E-02
10.7	1.3516E-02	5.8061E-02	1.6285E-02	5.7972E-02
10.8	1.8748E-02	5.5221E-02	2.1410E-02	5.4871E-02
10.9	2.3569E-02	5.1955E-02	2.6104E-02	5.1362E-02
11.0	2.7949E-02	4.8313E-02	3.0338E-02	4.7499E-02
11.1	3.1864E-02	4.4347E-02	3.4091E-02	4.3334E-02
11.2	3.5295E-02	4.0111E-02	3.7347E-02	3.8920E-02
11.3	3.8229E-02	3.5657E-02	4.0096E-02	3.4312E-02
11.4	4.0659E-02	3.1040E-02	4.2332E-02	2.9562E-02
11.5	4.2582E-02	2.6310E-02	4.4056E-02	2.4724E-02
11.6	4.4001E-02	2.1521E-02	4.5272E-02	1.9848E-02
11.7	4.4922E-02	1.6721E-02	4.5990E-02	1.4984E-02
11.8	4.5359E-02	1.1958E-02	4.6224E-02	1.0179E-02
11.9	4.5328E-02	7.2774E-03	4.5993E-02	5.4769E-03
12.0	4.4848E-02	2.7223E-03	4.5318E-02	9.1967E-04
12.1	4.3944E-02	-1.6678E-03	4.4225E-02	-3.4541E-03
12.2	4.2641E-02	-5.8568E-03	4.2742E-02	-7.6094E-03
12.3	4.0971E-02	-9.8118E-03	4.0901E-02	-1.1515E-02
12.4	3.8964E-02	-1.3504E-02	3.8733E-02	-1.5142E-02
12.5	3.6655E-02	-1.6907E-02	3.6275E-02	-1.8469E-02
12.6	3.4078E-02	-2.0001E-02	3.3562E-02	-2.1473E-02
12.7	3.1272E-02	-2.2767E-02	3.0632E-02	-2.4141E-02
12.8	2.8272E-02	-2.5192E-02	2.7522E-02	-2.6459E-02
12.9	2.5117E-02	-2.7266E-02	2.4271E-02	-2.8419E-02
13.0	2.1845E-02	-2.8984E-02	2.0916E-02	-3.0017E-02
13.1	1.8491E-02	-3.0343E-02	1.7494E-02	-3.1253E-02
13.2	1.5093E-02	-3.1345E-02	1.4042E-02	-3.2130E-02
13.3	1.1687E-02	-3.1995E-02	1.0595E-02	-3.2653E-02
13.4	8.3048E-03	-3.2301E-02	7.1859E-03	-3.2833E-02
13.5	4.9805E-03	-3.2274E-02	3.8473E-03	-3.2682E-02
13.6	1.7439E-03	-3.1929E-02	6.0872E-04	-3.2215E-02
13.7	-1.3766E-03	-3.1281E-02	-2.5021E-03	-3.1449E-02
13.8	-4.3552E-03	-3.0350E-02	-5.4601E-03	-3.0405E-02
13.9	-7.1682E-03	-2.9157E-02	-8.2425E-03	-2.9104E-02
14.0	-9.7948E-03	-2.7724E-02	-1.0829E-02	-2.7570E-02
14.1	-1.2217E-02	-2.6075E-02	-1.3203E-02	-2.5827E-02
14.2	-1.4418E-02	-2.4235E-02	-1.5349E-02	-2.3900E-02
14.3	-1.6387E-02	-2.2230E-02	-1.7256E-02	-2.1817E-02
14.4	-1.8113E-02	-2.0088E-02	-1.8915E-02	-1.9604E-02
14.5	-1.9590E-02	-1.7833E-02	-2.0319E-02	-1.7289E-02
14.6	-2.0812E-02	-1.5494E-02	-2.1466E-02	-1.4897E-02
14.7	-2.1778E-02	-1.3097E-02	-2.2354E-02	-1.2456E-02
14.8	-2.2490E-02	-1.0667E-02	-2.2986E-02	-9.9919E-03
14.9	-2.2950E-02	-8.2305E-03	-2.3365E-02	-7.5293E-03
15.0	-2.3164E-02	-5.8114E-03	-2.3499E-02	-5.0926E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	-2.3164E-02	-5.8114E-03	-2.3499E-02	-5.0926E-03
15.1	-2.3140E-02	-3.4328E-03	-2.3395E-02	-2.7047E-03
15.2	-2.2887E-02	-1.1165E-03	-2.3065E-02	-3.8691E-04
15.3	-2.2419E-02	1.1171E-03	-2.2521E-02	1.8408E-03
15.4	-2.1747E-02	3.2494E-03	-2.1777E-02	3.9601E-03
15.5	-2.0888E-02	5.2635E-03	-2.0848E-02	5.9547E-03
15.6	-1.9856E-02	7.1442E-03	-1.9752E-02	7.8101E-03
15.7	-1.8669E-02	8.8785E-03	-1.8504E-02	9.5135E-03
15.8	-1.7346E-02	1.0455E-02	-1.7125E-02	1.1054E-02
15.9	-1.5904E-02	1.1865E-02	-1.5632E-02	1.2424E-02
16.0	-1.4362E-02	1.3101E-02	-1.4046E-02	1.3617E-02
16.1	-1.2740E-02	1.4157E-02	-1.2384E-02	1.4627E-02
16.2	-1.1057E-02	1.5031E-02	-1.0667E-02	1.5452E-02
16.3	-9.3326E-03	1.5721E-02	-8.9143E-03	1.6092E-02
16.4	-7.5845E-03	1.6228E-02	-7.1435E-03	1.6547E-02
16.5	-5.8312E-03	1.6555E-02	-5.3733E-03	1.6822E-02
16.6	-4.0904E-03	1.6704E-02	-3.6209E-03	1.6919E-02
16.7	-2.3785E-03	1.6682E-02	-1.9029E-03	1.6846E-02
16.8	-7.1142E-04	1.6496E-02	-2.3472E-04	1.6609E-02
16.9	8.9629E-04	1.6155E-02	1.3692E-03	1.6218E-02
17.0	2.4311E-03	1.5667E-02	2.8956E-03	1.5683E-02
17.1	3.8808E-03	1.5043E-02	4.3327E-03	1.5015E-02
17.2	5.2345E-03	1.4296E-02	5.6699E-03	1.4225E-02
17.3	6.4827E-03	1.3437E-02	6.8980E-03	1.3326E-02
17.4	7.6172E-03	1.2479E-02	8.0092E-03	1.2332E-02
17.5	8.6314E-03	1.1436E-02	8.9974E-03	1.1255E-02
17.6	9.5201E-03	1.0321E-02	9.8577E-03	1.0110E-02
17.7	1.0279E-02	9.1476E-03	1.0587E-02	8.9114E-03
17.8	1.0907E-02	7.9306E-03	1.1182E-02	7.6720E-03
17.9	1.1402E-02	6.6832E-03	1.1644E-02	6.4061E-03
18.0	1.1765E-02	5.4191E-03	1.1973E-02	5.1270E-03
18.1	1.1997E-02	4.1512E-03	1.2171E-02	3.8480E-03
18.2	1.2101E-02	2.8923E-03	1.2241E-02	2.5815E-03
18.3	1.2082E-02	1.6545E-03	1.2187E-02	1.3396E-03
18.4	1.1944E-02	4.4906E-04	1.2016E-02	1.3341E-04
18.5	1.1693E-02	-7.1339E-04	1.1733E-02	-1.0266E-03
18.6	1.1336E-02	-1.8231E-03	1.1345E-02	-2.1307E-03
18.7	1.0882E-02	-2.8711E-03	1.0861E-02	-3.1704E-03
18.8	1.0338E-02	-3.8496E-03	1.0288E-02	-4.1380E-03
18.9	9.7125E-03	-4.7517E-03	9.6371E-03	-5.0268E-03
19.0	9.0160E-03	-5.5714E-03	8.9164E-03	-5.8311E-03
19.1	8.2576E-03	-6.3039E-03	8.1360E-03	-6.5463E-03
19.2	7.4474E-03	-6.9454E-03	7.3061E-03	-7.1690E-03
19.3	6.5952E-03	-7.4932E-03	6.4367E-03	-7.6966E-03
19.4	5.7112E-03	-7.9455E-03	5.5379E-03	-8.1277E-03
19.5	4.8053E-03	-8.3016E-03	4.6196E-03	-8.4618E-03
19.6	3.8874E-03	-8.5618E-03	3.6917E-03	-8.6994E-03
19.7	2.9668E-03	-8.7271E-03	2.7637E-03	-8.8420E-03
19.8	2.0528E-03	-8.7999E-03	1.8447E-03	-8.8918E-03
19.9	1.1542E-03	-8.7828E-03	9.4335E-04	-8.8520E-03
20.0	2.7924E-04	-8.6796E-03	6.7872E-05	-8.7266E-03

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-1.4835E+00	INFINITY	- INFINITY
0.1	2.4107E+00	-1.4784E+00	7.8509E-01	-1.0101E+01
0.2	1.7012E+00	-1.4642E+00	2.6969E-01	-5.1885E+00
0.3	1.2746E+00	-1.4419E+00	4.8568E-02	-3.5697E+00
0.4	9.6322E-01	-1.4119E+00	-9.6367E-02	-2.7627E+00
0.5	7.1544E-01	-1.3747E+00	-2.0852E-01	-2.2737E+00
0.6	5.0875E-01	-1.3309E+00	-3.0213E-01	-1.9393E+00
0.7	3.3150E-01	-1.2809E+00	-3.8312E-01	-1.6901E+00
0.8	1.7698E-01	-1.2252E+00	-4.5429E-01	-1.4921E+00
0.9	4.1047E-02	-1.1645E+00	-5.1709E-01	-1.3264E+00
1.0	-7.9018E-02	-1.0993E+00	-5.7231E-01	-1.1824E+00
1.1	-1.8507E-01	-1.0301E+00	-6.2038E-01	-1.0533E+00
1.2	-2.7844E-01	-9.5752E-01	-6.6159E-01	-9.3495E-01
1.3	-3.6010E-01	-8.8218E-01	-6.9609E-01	-8.2460E-01
1.4	-4.3083E-01	-8.0466E-01	-7.2402E-01	-7.2050E-01
1.5	-4.9122E-01	-7.2557E-01	-7.4551E-01	-6.2152E-01
1.6	-5.4182E-01	-6.4549E-01	-7.6066E-01	-5.2693E-01
1.7	-5.8310E-01	-5.6502E-01	-7.6964E-01	-4.3634E-01
1.8	-6.1549E-01	-4.8473E-01	-7.7259E-01	-3.4953E-01
1.9	-6.3941E-01	-4.0518E-01	-7.6971E-01	-2.6642E-01
2.0	-6.5529E-01	-3.2691E-01	-7.6123E-01	-1.8705E-01
2.1	-6.6355E-01	-2.5042E-01	-7.4739E-01	-1.1150E-01
2.2	-6.6463E-01	-1.7621E-01	-7.2847E-01	-3.9909E-02
2.3	-6.5896E-01	-1.0473E-01	-7.0479E-01	2.7564E-02
2.4	-6.4701E-01	-3.6405E-02	-6.7668E-01	9.0753E-02
2.5	-6.2924E-01	2.8385E-02	-6.4450E-01	1.4949E-01
2.6	-6.0615E-01	8.9290E-02	-6.0863E-01	2.0362E-01
2.7	-5.7823E-01	1.4600E-01	-5.6946E-01	2.5300E-01
2.8	-5.4599E-01	1.9826E-01	-5.2742E-01	2.9750E-01
2.9	-5.0993E-01	2.4583E-01	-4.8292E-01	3.3704E-01
3.0	-4.7059E-01	2.8855E-01	-4.3639E-01	3.7156E-01
3.1	-4.2847E-01	3.2626E-01	-3.8828E-01	4.0100E-01
3.2	-3.8410E-01	3.5889E-01	-3.3901E-01	4.2537E-01
3.3	-3.3798E-01	3.8638E-01	-2.8903E-01	4.4470E-01
3.4	-2.9063E-01	4.0873E-01	-2.3876E-01	4.5905E-01
3.5	-2.4252E-01	4.2597E-01	-1.8862E-01	4.6851E-01
3.6	-1.9415E-01	4.3818E-01	-1.3902E-01	4.7322E-01
3.7	-1.4597E-01	4.4546E-01	-9.0341E-02	4.7332E-01
3.8	-9.8412E-02	4.4798E-01	-4.2958E-02	4.6902E-01
3.9	-5.1905E-02	4.4592E-01	2.7785E-03	4.6051E-01
4.0	-6.8337E-03	4.3948E-01	4.6543E-02	4.4805E-01
4.1	3.6438E-02	4.2892E-01	8.8036E-02	4.3190E-01
4.2	7.7578E-02	4.1450E-01	1.2698E-01	4.1235E-01
4.3	1.1629E-01	3.9653E-01	1.6315E-01	3.8969E-01
4.4	1.5229E-01	3.7531E-01	1.9631E-01	3.6425E-01
4.5	1.8536E-01	3.5118E-01	2.2629E-01	3.3636E-01
4.6	2.1530E-01	3.2448E-01	2.5295E-01	3.0636E-01
4.7	2.4195E-01	2.9557E-01	2.7616E-01	2.7461E-01
4.8	2.6517E-01	2.6479E-01	2.9584E-01	2.4144E-01
4.9	2.8487E-01	2.3254E-01	3.1195E-01	2.0722E-01
5.0	3.0100E-01	1.9915E-01	3.2447E-01	1.7229E-01

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	3.0100E-01	1.9915E-01	3.2447E-01	1.7229E-01
5.1	3.1354E-01	1.6500E-01	3.3342E-01	1.3700E-01
5.2	3.2249E-01	1.3045E-01	3.3883E-01	1.0168E-01
5.3	3.2791E-01	9.5837E-02	3.4078E-01	6.6664E-02
5.4	3.2986E-01	6.1500E-02	3.3939E-01	3.2263E-02
5.5	3.2846E-01	2.7760E-02	3.3477E-01	-1.2281E-03
5.6	3.2383E-01	-5.0780E-03	3.2707E-01	-3.3529E-02
5.7	3.1614E-01	-3.6729E-02	3.1649E-01	-6.4379E-02
5.8	3.0555E-01	-6.6928E-02	3.0321E-01	-9.3541E-02
5.9	2.9229E-01	-9.5433E-02	2.8745E-01	-1.2080E-01
6.0	2.7655E-01	-1.2202E-01	2.6944E-01	-1.4596E-01
6.1	2.5859E-01	-1.4651E-01	2.4942E-01	-1.6885E-01
6.2	2.3865E-01	-1.6872E-01	2.2765E-01	-1.8935E-01
6.3	2.1698E-01	-1.8852E-01	2.0439E-01	-2.0732E-01
6.4	1.9387E-01	-2.0580E-01	1.7990E-01	-2.2268E-01
6.5	1.6957E-01	-2.2046E-01	1.5447E-01	-2.3538E-01
6.6	1.4437E-01	-2.3246E-01	1.2836E-01	-2.4538E-01
6.7	1.1854E-01	-2.4175E-01	1.0184E-01	-2.5266E-01
6.8	9.2345E-02	-2.4835E-01	7.5175E-02	-2.5725E-01
6.9	6.6061E-02	-2.5226E-01	4.8624E-02	-2.5918E-01
7.0	3.9944E-02	-2.5354E-01	2.2436E-02	-2.5853E-01
7.1	1.4243E-02	-2.5225E-01	-3.1502E-03	-2.5537E-01
7.2	-1.0803E-02	-2.4849E-01	-2.7909E-02	-2.4981E-01
7.3	-3.4971E-02	-2.4238E-01	-5.1628E-02	-2.4199E-01
7.4	-5.8050E-02	-2.3404E-01	-7.4113E-02	-2.3204E-01
7.5	-7.9849E-02	-2.2362E-01	-9.5186E-02	-2.2013E-01
7.6	-1.0019E-01	-2.1129E-01	-1.1469E-01	-2.0642E-01
7.7	-1.1893E-01	-1.9723E-01	-1.3248E-01	-1.9111E-01
7.8	-1.3592E-01	-1.8163E-01	-1.4843E-01	-1.7439E-01
7.9	-1.5105E-01	-1.6469E-01	-1.6246E-01	-1.5646E-01
8.0	-1.6423E-01	-1.4660E-01	-1.7448E-01	-1.3754E-01
8.1	-1.7539E-01	-1.2760E-01	-1.8443E-01	-1.1782E-01
8.2	-1.8448E-01	-1.0788E-01	-1.9228E-01	-9.7528E-02
8.3	-1.9147E-01	-8.7659E-02	-1.9801E-01	-7.6874E-02
8.4	-1.9635E-01	-6.7155E-02	-2.0164E-01	-5.6069E-02
8.5	-1.9913E-01	-4.6576E-02	-2.0318E-01	-3.5317E-02
8.6	-1.9986E-01	-2.6125E-02	-2.0269E-01	-1.4816E-02
8.7	-1.9857E-01	-5.9992E-03	-2.0021E-01	5.2403E-03
8.8	-1.9535E-01	1.3613E-02	-1.9585E-01	2.4672E-02
8.9	-1.9027E-01	3.2534E-02	-1.8968E-01	4.3309E-02
9.0	-1.8345E-01	5.0597E-02	-1.8183E-01	6.0991E-02
9.1	-1.7499E-01	6.7649E-02	-1.7240E-01	7.7576E-02
9.2	-1.6503E-01	8.3550E-02	-1.6155E-01	9.2932E-02
9.3	-1.5371E-01	9.8178E-02	-1.4942E-01	1.0694E-01
9.4	-1.4117E-01	1.1142E-01	-1.3615E-01	1.1952E-01
9.5	-1.2758E-01	1.2319E-01	-1.2192E-01	1.3056E-01
9.6	-1.1309E-01	1.3342E-01	-1.0687E-01	1.4002E-01
9.7	-9.7874E-02	1.4203E-01	-9.1194E-02	1.4784E-01
9.8	-8.2102E-02	1.4900E-01	-7.5046E-02	1.5399E-01
9.9	-6.5942E-02	1.5429E-01	-5.8601E-02	1.5845E-01
10.0	-4.9566E-02	1.5791E-01	-4.2027E-02	1.6124E-01

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-4.9566E-02	1.5791E-01	-4.2027E-02	1.6124E-01
10.1	-3.3140E-02	1.5986E-01	-2.5489E-02	1.6236E-01
10.2	-1.6827E-02	1.6017E-01	-9.1467E-03	1.6185E-01
10.3	-7.8456E-04	1.5888E-01	6.8458E-03	1.5977E-01
10.4	1.4836E-02	1.5604E-01	2.2341E-02	1.5616E-01
10.5	2.9893E-02	1.5173E-01	3.7203E-02	1.5111E-01
10.6	4.4253E-02	1.4603E-01	5.1302E-02	1.4471E-01
10.7	5.7792E-02	1.3902E-01	6.4520E-02	1.3706E-01
10.8	7.0400E-02	1.3082E-01	7.6753E-02	1.2825E-01
10.9	8.1976E-02	1.2153E-01	8.7907E-02	1.1841E-01
11.0	9.2434E-02	1.1128E-01	9.7900E-02	1.0767E-01
11.1	1.0170E-01	1.0019E-01	1.0667E-01	9.6144E-02
11.2	1.0971E-01	8.8397E-02	1.1415E-01	8.3973E-02
11.3	1.1643E-01	7.6030E-02	1.2032E-01	7.1291E-02
11.4	1.2181E-01	6.3228E-02	1.2513E-01	5.8235E-02
11.5	1.2584E-01	5.0129E-02	1.2859E-01	4.4943E-02
11.6	1.2852E-01	3.6869E-02	1.3070E-01	3.1551E-02
11.7	1.2986E-01	2.3584E-02	1.3145E-01	1.8194E-02
11.8	1.2987E-01	1.0405E-02	1.3089E-01	4.9993E-03
11.9	1.2859E-01	-2.5409E-03	1.2906E-01	-7.9063E-03
12.0	1.2606E-01	-1.5131E-02	1.2600E-01	-2.0404E-02
12.1	1.2234E-01	-2.7252E-02	1.2177E-01	-3.2382E-02
12.2	1.1751E-01	-3.8794E-02	1.1645E-01	-4.3736E-02
12.3	1.1163E-01	-4.9658E-02	1.1011E-01	-5.4371E-02
12.4	1.0479E-01	-5.9756E-02	1.0285E-01	-6.4200E-02
12.5	9.7075E-02	-6.9005E-02	9.4752E-02	-7.3148E-02
12.6	8.8594E-02	-7.7337E-02	8.5925E-02	-8.1148E-02
12.7	7.9445E-02	-8.4692E-02	7.6471E-02	-8.8147E-02
12.8	6.9735E-02	-9.1023E-02	6.6498E-02	-9.4100E-02
12.9	5.9574E-02	-9.6291E-02	5.6118E-02	-9.8975E-02
13.0	4.9075E-02	-1.0047E-01	4.5442E-02	-1.0275E-01
13.1	3.8348E-02	-1.0355E-01	3.4583E-02	-1.0542E-01
13.2	2.7505E-02	-1.0553E-01	2.3651E-02	-1.0698E-01
13.3	1.6657E-02	-1.0640E-01	1.2756E-02	-1.0744E-01
13.4	5.9109E-03	-1.0620E-01	2.0043E-03	-1.0684E-01
13.5	-4.6299E-03	-1.0495E-01	-8.5028E-03	-1.0519E-01
13.6	-1.4866E-02	-1.0269E-01	-1.8668E-02	-1.0254E-01
13.7	-2.4705E-02	-9.9461E-02	-2.8399E-02	-9.8947E-02
13.8	-3.4057E-02	-9.5325E-02	-3.7612E-02	-9.4462E-02
13.9	-4.2844E-02	-9.0343E-02	-4.6228E-02	-8.9154E-02
14.0	-5.0991E-02	-8.4585E-02	-5.4178E-02	-8.3094E-02
14.1	-5.8435E-02	-7.8126E-02	-6.1399E-02	-7.6360E-02
14.2	-6.5118E-02	-7.1049E-02	-6.7838E-02	-6.9034E-02
14.3	-7.0992E-02	-6.3436E-02	-7.3451E-02	-6.1204E-02
14.4	-7.6020E-02	-5.5377E-02	-7.8202E-02	-5.2958E-02
14.5	-8.0172E-02	-4.6963E-02	-8.2066E-02	-4.4388E-02
14.6	-8.3428E-02	-3.8284E-02	-8.5025E-02	-3.5585E-02
14.7	-8.5778E-02	-2.9433E-02	-8.7073E-02	-2.6642E-02
14.8	-8.7220E-02	-2.0501E-02	-8.8211E-02	-1.7649E-02
14.9	-8.7761E-02	-1.1580E-02	-8.8450E-02	-8.6976E-03
15.0	-8.7418E-02	-2.7557E-03	-8.7809E-02	1.2620E-04

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	-8.7418E-02	-2.7557E-03	-8.7809E-02	1.2620E-04
15.1	-8.6214E-02	5.8855E-03	-8.6315E-02	8.7385E-03
15.2	-8.4184E-02	1.4263E-02	-8.4004E-02	1.7059E-02
15.3	-8.1366E-02	2.2300E-02	-8.0916E-02	2.5014E-02
15.4	-7.7806E-02	2.9926E-02	-7.7102E-02	3.2533E-02
15.5	-7.3559E-02	3.7074E-02	-7.2615E-02	3.9552E-02
15.6	-6.8681E-02	4.3685E-02	-6.7517E-02	4.6014E-02
15.7	-6.3236E-02	4.9707E-02	-6.1871E-02	5.1868E-02
15.8	-5.7291E-02	5.5094E-02	-5.5746E-02	5.7072E-02
15.9	-5.0917E-02	5.9808E-02	-4.9214E-02	6.1589E-02
16.0	-4.4187E-02	6.3817E-02	-4.2348E-02	6.5392E-02
16.1	-3.7175E-02	6.7099E-02	-3.5225E-02	6.8458E-02
16.2	-2.9959E-02	6.9638E-02	-2.7920E-02	7.0775E-02
16.3	-2.2613E-02	7.1427E-02	-2.0509E-02	7.2339E-02
16.4	-1.5214E-02	7.2465E-02	-1.3068E-02	7.3150E-02
16.5	-7.8353E-03	7.2759E-02	-5.6708E-03	7.3219E-02
16.6	-5.5048E-04	7.2324E-02	1.6105E-03	7.2562E-02
16.7	6.5710E-03	7.1181E-02	8.7068E-03	7.1203E-02
16.8	1.3462E-02	6.9358E-02	1.5552E-02	6.9170E-02
16.9	2.0061E-02	6.6889E-02	2.2086E-02	6.6501E-02
17.0	2.6308E-02	6.3813E-02	2.8250E-02	6.3235E-02
17.1	3.2150E-02	6.0174E-02	3.3993E-02	5.9419E-02
17.2	3.7539E-02	5.6022E-02	3.9266E-02	5.5103E-02
17.3	4.2431E-02	5.1408E-02	4.4030E-02	5.0341E-02
17.4	4.6790E-02	4.6391E-02	4.8250E-02	4.5190E-02
17.5	5.0585E-02	4.1027E-02	5.1894E-02	3.9711E-02
17.6	5.3790E-02	3.5380E-02	5.4942E-02	3.3964E-02
17.7	5.6389E-02	2.9510E-02	5.7377E-02	2.8012E-02
17.8	5.8368E-02	2.3481E-02	5.9188E-02	2.1919E-02
17.9	5.9723E-02	1.7356E-02	6.0373E-02	1.5748E-02
18.0	6.0455E-02	1.1198E-02	6.0933E-02	9.5621E-03
18.1	6.0570E-02	5.0695E-03	6.0877E-02	3.4220E-03
18.2	6.0081E-02	-9.7064E-04	6.0220E-02	-2.6125E-03
18.3	5.9007E-02	-6.8642E-03	5.8982E-02	-8.4842E-03
18.4	5.7371E-02	-1.2556E-02	5.7189E-02	-1.4139E-02
18.5	5.5203E-02	-1.7995E-02	5.4870E-02	-1.9526E-02
18.6	5.2536E-02	-2.3133E-02	5.2060E-02	-2.4598E-02
18.7	4.9408E-02	-2.7925E-02	4.8799E-02	-2.9312E-02
18.8	4.5860E-02	-3.2332E-02	4.5128E-02	-3.3629E-02
18.9	4.1936E-02	-3.6319E-02	4.1093E-02	-3.7517E-02
19.0	3.7685E-02	-3.9856E-02	3.6742E-02	-4.0946E-02
19.1	3.3155E-02	-4.2918E-02	3.2125E-02	-4.3893E-02
19.2	2.8397E-02	-4.5486E-02	2.7294E-02	-4.6339E-02
19.3	2.3464E-02	-4.7545E-02	2.2301E-02	-4.8272E-02
19.4	1.8408E-02	-4.9086E-02	1.7199E-02	-4.9683E-02
19.5	1.3283E-02	-5.0105E-02	1.2041E-02	-5.0571E-02
19.6	8.1400E-03	-5.0605E-02	6.8782E-03	-5.0939E-02
19.7	3.0308E-03	-5.0591E-02	1.7629E-03	-5.0795E-02
19.8	-1.9948E-03	-5.0075E-02	-3.2560E-03	-5.0151E-02
19.9	-6.8888E-03	-4.9074E-02	-8.1309E-03	-4.9025E-02
20.0	-1.1606E-02	-4.7608E-02	-1.2817E-02	-4.7438E-02

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
0.0	INFINITY	-1.5708E+00	0.0000E-00	- INFINITY
0.1	2.4100E+00	-1.5669E+00	-7.8442E-02	-1.0146E+01
0.2	1.6982E+00	-1.5551E+00	-1.5630E-01	-5.2211E+00
0.3	1.2681E+00	-1.5357E+00	-2.3298E-01	-3.6020E+00
0.4	9.5194E-01	-1.5086E+00	-3.0792E-01	-2.7974E+00
0.5	6.9825E-01	-1.4741E+00	-3.8055E-01	-2.3114E+00
0.6	4.8461E-01	-1.4326E+00	-4.5035E-01	-1.9798E+00
0.7	2.9950E-01	-1.3842E+00	-5.1679E-01	-1.7330E+00
0.8	1.3635E-01	-1.3293E+00	-5.7938E-01	-1.5365E+00
0.9	-8.8409E-03	-1.2685E+00	-6.3766E-01	-1.3715E+00
1.0	-1.3863E-01	-1.2020E+00	-6.9123E-01	-1.2271E+00
1.1	-2.5473E-01	-1.1304E+00	-7.3969E-01	-1.0966E+00
1.2	-3.5827E-01	-1.0542E+00	-7.8271E-01	-9.7568E-01
1.3	-4.5009E-01	-9.7403E-01	-8.1999E-01	-8.6161E-01
1.4	-5.3076E-01	-8.9041E-01	-8.5129E-01	-7.5264E-01
1.5	-6.0075E-01	-8.0398E-01	-8.7640E-01	-6.4765E-01
1.6	-6.6041E-01	-7.1534E-01	-8.9519E-01	-5.4597E-01
1.7	-7.1004E-01	-6.2515E-01	-9.0755E-01	-4.4725E-01
1.8	-7.4995E-01	-5.3405E-01	-9.1344E-01	-3.5133E-01
1.9	-7.8040E-01	-4.4268E-01	-9.1288E-01	-2.5825E-01
2.0	-8.0170E-01	-3.5169E-01	-9.0592E-01	-1.6813E-01
2.1	-8.1413E-01	-2.6171E-01	-8.9267E-01	-8.1177E-02
2.2	-8.1805E-01	-1.7336E-01	-8.7330E-01	2.3371E-03
2.3	-8.1379E-01	-8.7242E-02	-8.4803E-01	8.2117E-02
2.4	-8.0176E-01	-3.9390E-03	-8.1711E-01	1.5785E-01
2.5	-7.8237E-01	7.6001E-02	-7.8083E-01	2.2921E-01
2.6	-7.5607E-01	1.5206E-01	-7.3956E-01	2.9588E-01
2.7	-7.2336E-01	2.2376E-01	-6.9367E-01	3.5756E-01
2.8	-6.8474E-01	2.9065E-01	-6.4357E-01	4.1398E-01
2.9	-6.4075E-01	3.5235E-01	-5.8972E-01	4.6486E-01
3.0	-5.9195E-01	4.0849E-01	-5.3259E-01	5.1000E-01
3.1	-5.3894E-01	4.5877E-01	-4.7269E-01	5.4920E-01
3.2	-4.8232E-01	5.0295E-01	-4.1052E-01	5.8231E-01
3.3	-4.2269E-01	5.4082E-01	-3.4662E-01	6.0924E-01
3.4	-3.6068E-01	5.7223E-01	-2.8153E-01	6.2991E-01
3.5	-2.9691E-01	5.9710E-01	-2.1579E-01	6.4432E-01
3.6	-2.3202E-01	6.1539E-01	-1.4996E-01	6.5250E-01
3.7	-1.6662E-01	6.2711E-01	-8.4562E-02	6.5451E-01
3.8	-1.0132E-01	6.3233E-01	-2.0139E-02	6.5049E-01
3.9	-3.6719E-02	6.3119E-01	4.2795E-02	6.4060E-01
4.0	2.6610E-02	6.2384E-01	1.0374E-01	6.2506E-01
4.1	8.8113E-02	6.1052E-01	1.6222E-01	6.0412E-01
4.2	1.4726E-01	5.9149E-01	2.1779E-01	5.7807E-01
4.3	2.0357E-01	5.6707E-01	2.7001E-01	5.4726E-01
4.4	2.5657E-01	5.3762E-01	3.1852E-01	5.1203E-01
4.5	3.0584E-01	5.0351E-01	3.6295E-01	4.7281E-01
4.6	3.5101E-01	4.6517E-01	4.0299E-01	4.3000E-01
4.7	3.9174E-01	4.2306E-01	4.3838E-01	3.8406E-01
4.8	4.2773E-01	3.7766E-01	4.6888E-01	3.3547E-01
4.9	4.5876E-01	3.2946E-01	4.9432E-01	2.8470E-01
5.0	4.8462E-01	2.7897E-01	5.1456E-01	2.3226E-01

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
5.0	4.8462E-01	2.7897E-01	5.1456E-01	2.3226E-01
5.1	5.0517E-01	2.2672E-01	5.2951E-01	1.7866E-01
5.2	5.2033E-01	1.7324E-01	5.3913E-01	1.2439E-01
5.3	5.3005E-01	1.1907E-01	5.4343E-01	6.9975E-02
5.4	5.3433E-01	6.4733E-02	5.4247E-01	1.5908E-02
5.5	5.3325E-01	1.0750E-02	5.3633E-01	-3.7319E-02
5.6	5.2691E-01	-4.2366E-02	5.2517E-01	-8.9230E-02
5.7	5.1547E-01	-9.4122E-02	5.0917E-01	-1.3937E-01
5.8	4.9911E-01	-1.4405E-01	4.8856E-01	-1.8729E-01
5.9	4.7810E-01	-1.9169E-01	4.6361E-01	-2.3260E-01
6.0	4.5270E-01	-2.3663E-01	4.3461E-01	-2.7491E-01
6.1	4.2323E-01	-2.7849E-01	4.0191E-01	-3.1386E-01
6.2	3.9004E-01	-3.1690E-01	3.6586E-01	-3.4916E-01
6.3	3.5353E-01	-3.5156E-01	3.2686E-01	-3.8052E-01
6.4	3.1408E-01	-3.8219E-01	2.8532E-01	-4.0772E-01
6.5	2.7213E-01	-4.0856E-01	2.4165E-01	-4.3054E-01
6.6	2.2812E-01	-4.3047E-01	1.9632E-01	-4.4865E-01
6.7	1.8251E-01	-4.4778E-01	1.4976E-01	-4.6254E-01
6.8	1.3577E-01	-4.6039E-01	1.0245E-01	-4.7153E-01
6.9	8.8363E-02	-4.6826E-01	5.4824E-02	-4.7582E-01
7.0	4.0762E-02	-4.7136E-01	7.3558E-03	-4.7543E-01
7.1	-6.5687E-03	-4.6975E-01	-3.9511E-02	-4.7042E-01
7.2	-5.3172E-02	-4.6350E-01	-8.5337E-02	-4.6091E-01
7.3	-9.8605E-02	-4.5273E-01	-1.2970E-01	-4.4704E-01
7.4	-1.4244E-01	-4.3762E-01	-1.7220E-01	-4.2901E-01
7.5	-1.8428E-01	-4.1837E-01	-2.1245E-01	-4.0704E-01
7.6	-2.2373E-01	-3.9522E-01	-2.5009E-01	-3.8139E-01
7.7	-2.6044E-01	-3.6844E-01	-2.8481E-01	-3.5236E-01
7.8	-2.9410E-01	-3.3836E-01	-3.1629E-01	-3.2026E-01
7.9	-3.2440E-01	-3.0530E-01	-3.4429E-01	-2.8545E-01
8.0	-3.5111E-01	-2.6963E-01	-3.6857E-01	-2.4828E-01
8.1	-3.7399E-01	-2.3172E-01	-3.8894E-01	-2.0915E-01
8.2	-3.9288E-01	-1.9198E-01	-4.0526E-01	-1.6845E-01
8.3	-4.0765E-01	-1.5081E-01	-4.1742E-01	-1.2660E-01
8.4	-4.1818E-01	-1.0863E-01	-4.2535E-01	-8.4013E-02
8.5	-4.2444E-01	-6.5878E-02	-4.2902E-01	-4.1106E-02
8.6	-4.2640E-01	-2.2970E-02	-4.2844E-01	1.7029E-03
8.7	-4.2411E-01	1.9671E-02	-4.2367E-01	4.3999E-02
8.8	-4.1764E-01	6.1628E-02	-4.1481E-01	8.5382E-02
8.9	-4.0708E-01	1.0250E-01	-4.0197E-01	1.2546E-01
9.0	-3.9260E-01	1.4190E-01	-3.8533E-01	1.6386E-01
9.1	-3.7438E-01	1.7945E-01	-3.6510E-01	2.0022E-01
9.2	-3.5263E-01	2.1480E-01	-3.4150E-01	2.3423E-01
9.3	-3.2762E-01	2.4764E-01	-3.1481E-01	2.6556E-01
9.4	-2.9962E-01	2.7767E-01	-2.8531E-01	2.9395E-01
9.5	-2.6894E-01	3.0462E-01	-2.5331E-01	3.1915E-01
9.6	-2.3590E-01	3.2826E-01	-2.1916E-01	3.4096E-01
9.7	-2.0087E-01	3.4840E-01	-1.8322E-01	3.5918E-01
9.8	-1.6419E-01	3.6486E-01	-1.4583E-01	3.7368E-01
9.9	-1.2626E-01	3.7753E-01	-1.0739E-01	3.8436E-01
10.0	-8.7448E-02	3.8631E-01	-6.8287E-02	3.9115E-01

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
10.0	-8.7448E-02	3.8631E-01	-6.8287E-02	3.9115E-01
10.1	-4.8156E-02	3.9117E-01	-2.8895E-02	3.9403E-01
10.2	-8.7733E-03	3.9210E-01	1.0392E-02	3.9299E-01
10.3	3.0313E-02	3.8911E-01	4.9194E-02	3.8810E-01
10.4	6.8720E-02	3.8229E-01	8.7136E-02	3.7943E-01
10.5	1.0608E-01	3.7173E-01	1.2386E-01	3.6710E-01
10.6	1.4202E-01	3.5757E-01	1.5901E-01	3.5128E-01
10.7	1.7622E-01	3.3999E-01	1.9226E-01	3.3214E-01
10.8	2.0835E-01	3.1919E-01	2.2331E-01	3.0990E-01
10.9	2.3811E-01	2.9541E-01	2.5188E-01	2.8481E-01
11.0	2.6522E-01	2.6891E-01	2.7769E-01	2.5715E-01
11.1	2.8946E-01	2.3997E-01	3.0054E-01	2.2720E-01
11.2	3.1060E-01	2.0890E-01	3.2021E-01	1.9527E-01
11.3	3.2846E-01	1.7604E-01	3.3655E-01	1.6170E-01
11.4	3.4289E-01	1.4171E-01	3.4942E-01	1.2683E-01
11.5	3.5379E-01	1.0627E-01	3.5874E-01	9.1016E-02
11.6	3.6108E-01	7.0082E-02	3.6443E-01	5.4611E-02
11.7	3.6471E-01	3.3507E-02	3.6647E-01	1.7979E-02
11.8	3.6468E-01	-3.0901E-03	3.6487E-01	-1.8518E-02
11.9	3.6102E-01	-3.9347E-02	3.5969E-01	-5.4525E-02
12.0	3.5380E-01	-7.4910E-02	3.5099E-01	-8.9691E-02
12.1	3.4312E-01	-1.0943E-01	3.3890E-01	-1.2368E-01
12.2	3.2912E-01	-1.4258E-01	3.2356E-01	-1.5617E-01
12.3	3.1195E-01	-1.7404E-01	3.0514E-01	-1.8684E-01
12.4	2.9182E-01	-2.0351E-01	2.8386E-01	-2.1543E-01
12.5	2.6894E-01	-2.3072E-01	2.5994E-01	-2.4165E-01
12.6	2.4357E-01	-2.5542E-01	2.3364E-01	-2.6527E-01
12.7	2.1598E-01	-2.7738E-01	2.0524E-01	-2.8609E-01
12.8	1.8646E-01	-2.9641E-01	1.7504E-01	-3.0391E-01
12.9	1.5531E-01	-3.1234E-01	1.4333E-01	-3.1858E-01
13.0	1.2285E-01	-3.2504E-01	1.1046E-01	-3.3000E-01
13.1	8.9418E-02	-3.3440E-01	7.6737E-02	-3.3805E-01
13.2	5.5352E-02	-3.4037E-01	4.2516E-02	-3.4271E-01
13.3	2.0991E-02	-3.4290E-01	8.1327E-03	-3.4393E-01
13.4	-1.3321E-02	-3.4200E-01	-2.6074E-02	-3.4174E-01
13.5	-4.7245E-02	-3.3770E-01	-5.9768E-02	-3.3619E-01
13.6	-8.0448E-02	-3.3008E-01	-9.2621E-02	-3.2734E-01
13.7	-1.1261E-01	-3.1922E-01	-1.2432E-01	-3.1533E-01
13.8	-1.4341E-01	-3.0526E-01	-1.5455E-01	-3.0027E-01
13.9	-1.7257E-01	-2.8837E-01	-1.8304E-01	-2.8235E-01
14.0	-1.9979E-01	-2.6872E-01	-2.0951E-01	-2.6177E-01
14.1	-2.2484E-01	-2.4654E-01	-2.3371E-01	-2.3873E-01
14.2	-2.4747E-01	-2.2206E-01	-2.5543E-01	-2.1350E-01
14.3	-2.6747E-01	-1.9554E-01	-2.7446E-01	-1.8632E-01
14.4	-2.8468E-01	-1.6726E-01	-2.9065E-01	-1.5749E-01
14.5	-2.9893E-01	-1.3752E-01	-3.0384E-01	-1.2730E-01
14.6	-3.1010E-01	-1.0660E-01	-3.1393E-01	-9.6055E-02
14.7	-3.1811E-01	-7.4836E-02	-3.2084E-01	-6.4071E-02
14.8	-3.2290E-01	-4.2541E-02	-3.2452E-01	-3.1668E-02
14.9	-3.2444E-01	-1.0040E-02	-3.2496E-01	8.3000E-04
15.0	-3.2274E-01	2.2344E-02	-3.2218E-01	3.3102E-02

R	RE(K0)	IM(K0)	RE(K1)	IM(K1)
15.0	-3.2274E-01	2.2344E-02	-3.2218E-01	3.3102E-02
15.1	-3.1784E-01	5.4290E-02	-3.1622E-01	6.4832E-02
15.2	-3.0980E-01	8.5484E-02	-3.0716E-01	9.5710E-02
15.3	-2.9874E-01	1.1562E-01	-2.9512E-01	1.2544E-01
15.4	-2.8477E-01	1.4441E-01	-2.8023E-01	1.5372E-01
15.5	-2.6805E-01	1.7158E-01	-2.6266E-01	1.8031E-01
15.6	-2.4877E-01	1.9686E-01	-2.4259E-01	2.0493E-01
15.7	-2.2714E-01	2.2002E-01	-2.2025E-01	2.2736E-01
15.8	-2.0338E-01	2.4084E-01	-1.9586E-01	2.4739E-01
15.9	-1.7774E-01	2.5913E-01	-1.6969E-01	2.6485E-01
16.0	-1.5050E-01	2.7473E-01	-1.4200E-01	2.7956E-01
16.1	-1.2193E-01	2.8749E-01	-1.1306E-01	2.9141E-01
16.2	-9.2315E-02	2.9731E-01	-8.3191E-02	3.0030E-01
16.3	-6.1968E-02	3.0411E-01	-5.2677E-02	3.0615E-01
16.4	-3.1188E-02	3.0784E-01	-2.1826E-02	3.0893E-01
16.5	-2.8468E-04	3.0847E-01	9.0544E-03	3.0862E-01
16.6	3.0435E-02	3.0603E-01	3.9658E-02	3.0526E-01
16.7	6.0667E-02	3.0056E-01	6.9685E-02	2.9888E-01
16.8	9.0113E-02	2.9213E-01	9.8839E-02	2.8958E-01
16.9	1.1849E-01	2.8083E-01	1.2684E-01	2.7745E-01
17.0	1.4551E-01	2.6681E-01	1.5342E-01	2.6265E-01
17.1	1.7093E-01	2.5020E-01	1.7832E-01	2.4532E-01
17.2	1.9450E-01	2.3121E-01	2.0130E-01	2.2566E-01
17.3	2.1599E-01	2.1002E-01	2.2215E-01	2.0387E-01
17.4	2.3521E-01	1.8686E-01	2.4067E-01	1.8018E-01
17.5	2.5197E-01	1.6197E-01	2.5670E-01	1.5484E-01
17.6	2.6613E-01	1.3560E-01	2.7009E-01	1.2810E-01
17.7	2.7756E-01	1.0804E-01	2.8072E-01	1.0025E-01
17.8	2.8615E-01	7.9555E-02	2.8850E-01	7.1555E-02
17.9	2.9185E-01	5.0438E-02	2.9337E-01	4.2311E-02
18.0	2.9461E-01	2.0979E-02	2.9530E-01	1.2810E-02
18.1	2.9441E-01	-8.5249E-03	2.9429E-01	-1.6655E-02
18.2	2.9129E-01	-3.7781E-02	2.9036E-01	-4.5792E-02
18.3	2.8527E-01	-6.6501E-02	2.8357E-01	-7.4314E-02
18.4	2.7645E-01	-9.4401E-02	2.7399E-01	-1.0194E-01
18.5	2.6492E-01	-1.2121E-01	2.6175E-01	-1.2841E-01
18.6	2.5082E-01	-1.4667E-01	2.4697E-01	-1.5346E-01
18.7	2.3429E-01	-1.7053E-01	2.2982E-01	-1.7685E-01
18.8	2.1551E-01	-1.9256E-01	2.1047E-01	-1.9835E-01
18.9	1.9469E-01	-2.1255E-01	1.8914E-01	-2.1777E-01
19.0	1.7203E-01	-2.3032E-01	1.6604E-01	-2.3493E-01
19.1	1.4778E-01	-2.4571E-01	1.4141E-01	-2.4966E-01
19.2	1.2219E-01	-2.5856E-01	1.1550E-01	-2.6183E-01
19.3	9.5505E-02	-2.6877E-01	8.8579E-02	-2.7134E-01
19.4	6.8011E-02	-2.7625E-01	6.0918E-02	-2.7810E-01
19.5	3.9980E-02	-2.8094E-01	3.2794E-02	-2.8206E-01
19.6	1.1693E-02	-2.8281E-01	4.4870E-03	-2.8320E-01
19.7	-1.6566E-02	-2.8184E-01	-2.3720E-02	-2.8151E-01
19.8	-4.4517E-02	-2.7808E-01	-5.1549E-02	-2.7704E-01
19.9	-7.1883E-02	-2.7156E-01	-7.8724E-02	-2.6984E-01
20.0	-9.8396E-02	-2.6236E-01	-1.0498E-01	-2.5999E-01